## **Product Datasheet**

### CD3 Antibody (17A2) [CoraFluor™ 1] FAB4841CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

www.novusbio.com

technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/FAB4841CL1

Updated 10/22/2024 v.20.1

# Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/FAB4841CL1



#### FAB4841CL1

CD3 Antibody (17A2) [CoraFluor™ 1]

Unit Size         0.1 ml           Concentration         Please see the vial label for concentration. If unlisted please contact technical services.           Storage         Store at 4C in the dark. Do not freeze.           Clonality         Monoclonal           Clonality         Monoclonal           Clonality         No Preservative           Isotype         IgG2b           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PB           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) dona the ensiston wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 as a trade angement. Hemary complex, protein-tourothy t	Product Information		
services.           Storage         Store at 4C in the dark. Do not freeze.           Clonality         Monocional           Clone         17A2           Preservative         No Preservative           Isotype         IgG2b           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay deupoment. CoraFluor(IM) 1 absorbs UV light at approximately 440 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorbs UV light at approximately 440 nm, 545 nm, 585 nm and 620 nm. It is compatible with coraFluorTM1 1. CaraFluorTM1 1.	Unit Size	0.1 ml	
Clonality       Monoclonal         Clone       17A2         Preservative       No Preservative         Isotype       IgG2b         Conjugate       CoraFluor 1         Purity       Protein A or G purified         Buffer       PBS         Product Description       CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 asorbs UV (light at approximately 490 nm, 545 nm and 620 nm. It is compatible with common acceptor dyes that absorb ut the emission wavelengths of CoraFluor(TM) 1. coraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.         Host       Rat         Gene ID       916         Gene Symbol       CD3E         Species       Mouse         Specificity/Sensitivity       Reacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.         Immunogen       T cell hybridoma D1         Notes       CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent dependent Cytotoxicity, CyTOF-ready, Immunocytochemistry, Toell Stimulation         Recommended Dilutions       Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement-dependent Cyt	Concentration		
Clone         17A2           Preservative         No Preservative           Isotype         IgG2b           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 as basorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1 car bused the the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Rat           Gene ID         916           Gene Symbol         CD3E           Species         Mouse           Specificity/Sensitivity         Reats with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.           Immunogen         T cell hybridoma D1           Notes         CoraFluor(TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254           Product Application Details         Flow Cytometry, Immunohistochemistry, Immunocytochemistry, T Cell Stimulation           Recommended Dilutions	Storage	Store at 4C in the dark. Do not freeze.	
Preservative         No Preservative           Isotype         IgG2b           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 assorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development or robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Rat           Gene ID         916           Species         Mouse           Species         Mouse           Specificity/Sensitivity         Reacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.           Immunogen         T cell hybridoma D1           Notes         CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025264           Product Application Details         Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement-dependent Cytotoxicity, CyTOF-ready, Immunocytochemistry, CyTOF-ready	Clonality	Monoclonal	
IsotypeIgG2bConjugateCoraFluor 1PurityProtein A or G purifiedBufferPBSProduct DescriptionCoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CaraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.HostRatGene ID916Genes SymbolCD3ESpeciesMouseSpecificity/SensitivityReacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.ImmunogenT cell hybridoma D1NotesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunocytochemistry, CyTOF-ready	Clone	17A2	
ConjugateCoraFluor 1PurityProtein A or G purifiedBufferPBSProduct DescriptionCoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) door for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. coraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.HostRatGene ID916Gene SymbolCD3ESpeciesMouseSpecificity/SensitivityReacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.ImmunogenT cell hybridoma D1NotesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Preservative	No Preservative	
Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm A6 20 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(IM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Rat           Gene ID         916           Gene Symbol         CD3E           Species         Mouse           Specificity/Sensitivity         Reacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.           Immunogen         T cell hybridoma D1           Notes         CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254           Product Application Details         Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement-dependent Cytotxicity, CyTOF-ready, Immunocytochemistry, T Cell Stimulation	Isotype	IgG2b	
Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Rat           Gene ID         916           Gene Symbol         CD3E           Species         Mouse           Specificity/Sensitivity         Reacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.           Immunogen         T cell hybridoma D1           Notes         CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254           Product Application Details         Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement-dependent Cytotoxicity, CyTOF-ready, Immunocytochemistry, T Cell Stimulation	Conjugate	CoraFluor 1	
Product Description           Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Rat           Gene ID         916           Gene Symbol         CD3E           Species         Mouse           Specificity/Sensitivity         Reacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.           Immunogen         T cell hybridoma D1           Notes         CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254           Product Application Details         Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement-dependent Cytotoxicity, CyTOF-ready, Immunoprecipitation, Complement-dependent Cytotoxicity, T Cell Stimulation	Purity	Protein A or G purified	
DescriptionCoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.HostRatGene ID916Gene SymbolCD3ESpeciesMouseSpeciesMouseSpeciesCoraFluor(TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-readyRecommended DilutionsFlow Cytometry, Immunohistochemistry, Immunocytochemistry, CyTOF-ready	Buffer	PBS	
Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.HostRatGene ID916Gene SymbolCD3ESpeciesMouseSpeciesMouseSpeciesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunocytochemistry, T cell StimulationRecommended DilutionsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, T cell Stimulation, Immunocytochemistry, CyTOF-ready	Product Description		
Gene ID916Gene SymbolCD3ESpeciesMouseSpecificity/SensitivityReacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.ImmunogenT cell hybridoma D1NotesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Description	Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and	
Gene SymbolCD3ESpeciesMouseSpecificity/SensitivityReacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.ImmunogenT cell hybridoma D1NotesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Host	Rat	
SpeciesMouseSpecificity/SensitivityReacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.ImmunogenT cell hybridoma D1NotesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- 	Gene ID	916	
Specificity/SensitivityReacts with mouse TCR-associated CD3 complex that occurs on thymocytes and mature T cells.ImmunogenT cell hybridoma D1NotesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Gene Symbol	CD3E	
ImmunogenT cell hybridoma D1NotesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell StimulationRecommended DilutionsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Species	Mouse	
NotesCoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell StimulationRecommended DilutionsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Specificity/Sensitivity		
only under agreement from Massachusetts General Hospital. US patent 2022/0025254Product Application DetailsApplicationsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell StimulationRecommended DilutionsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Immunogen	T cell hybridoma D1	
ApplicationsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, CyTOF-ready, Immunocytochemistry, T Cell StimulationRecommended DilutionsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Notes	only under agreement from Massachusetts General Hospital. US patent	
dependent Cytotoxicity, CyTOF-ready, Immunocytochemistry, T Cell StimulationRecommended DilutionsFlow Cytometry, Immunohistochemistry, Immunoprecipitation, Complement- dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Product Application Details		
dependent Cytotoxicity, T Cell Stimulation, Immunocytochemistry, CyTOF-ready	Applications		
Application NotesOptimal dilution of this antibody should be experimentally determined.	Recommended Dilutions		
	Application Notes	Optimal dilution of this antibody should be experimentally determined.	





#### Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

#### **Bio-Techne Canada**

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

#### **Bio-Techne Ltd**

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

#### **General Contact Information**

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

#### Products Related to FAB4841CL1

202 12 0 10	
202-IL-010	IL-2 [Unconjugated]
285-IF-100	IFN-gamma [Unconjugated]
NBP2-75137	Mouse CD3 ELISA Kit (Colorimetric)
210-TA-005	TNF-alpha [Unconjugated]

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/FAB4841CL1

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

