## **Product Datasheet**

### DNMT1 Antibody (60B1220.1) [CoraFluor™ 1] NB100-56519CL1

Unit Size: 0.1 ml

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#### NB100-56519CL1

DNMT1 Antibody (60B1220.1) [CoraFluor™ 1]

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.HostMouseGene ID1786Gene SymbolDNMT1SpeciesHuman, Mouse, Rat, Porcine, Bovine, SheepReactivity NotesRat reactivity reported in scientific literature (PMID: 19924110). Porcine reactivity reported in scientific literature (PMID: 19924110). Porcine reactivity reported in scientific literature (PMID: 20413592). Bovine reactivity reported in scientific literature (PMID: 27384909).ImmunogenThis antibody was raised against a synthetic peptide corresponding to amino acids 637-650 (EKDDREDKENAFKR) of human Dnmt1 (Genbank Accession No NP_001370).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 DetailsWestern Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunohistochemistry. Immunohistochemistry. Immunohistochemistry. Immunohistochemistry. Paraeffin, Immunoprecipitation, Chromatin		
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       Clone     60B1220.1       Preservative     No Preservative       Isotype     IgG1 Kappa       Conjugate     CoraFluor 1       Purity     Protein G purified       Buffer     PBS       Product Description     CoraFluor(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 520 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1 caraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 520 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1 caraFluor(TM) 1 cara protein quantification assays.       Host     Mouse       Gene ID     1786       Gene Symbol     DNMT1       Species     Human, Mouse, Rat, Porcine, Bovine, Sheep       Reactivity Notes     This antibody was raised against a synthetic peptide corresponding to amino acids 637-650 (ENDREDKENAFKR) of human Dmmt1 (Genbank Accession No NP_001370).       Notes	Product Information	
services.   Storage Store at 4C in the dark. Do not freeze.   Clonality Monoclonal   Clone 60B1220.1   Preservative No Preservative   Isotype IgG1 Kappa   Conjugate CoraFluor 1   Purity Protein 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 Choor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 565 nm and 620 nm. 1 is compatible with common coeptor dyes that absorb at the emission wavelengths of CoraFluorTM) 1 caraFluor(TM) 1 carafluor TM) 1 carafluor and protein quantification assays.   Host Mouse   Gene ID 1786   Gene Symbol DNIMT1   Species Human, Mouse, Rat, Porcine, Bovine, Sheep   Reactivity Notes Ra treactivity reported in scientific literature (PMID: 13924110). Porcine reactivity reported in scientific literature (PMID: 2043592). Bovine reactivity reported in scientific literature (PMID: 2043592). B	Unit Size	0.1 ml
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Clone     60B1220.1       Preservative     No Preservative       Isotype     IgG1 Kappa       Conjugate     CoraFluor 1       Purity     Protein 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, 585 nm and 620 nm. 1i is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. conaFluorTM) 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     Mouse       Gene ID     1786       Gene Symbol     DNINT1       Species     Human, Mouse, Rat, Porcine, Bovine, Sheep       Reactivity Notes     Rat reactivity reported in scientific literature (PMID: 13924110). Porcine reactivity reported in scientific literature (PMID: 23308878). Sheep reactivity reported in scientific literature (PMID: 23308878). Sheep reactivity reported in scientific literature (PMID: 23308878). Bovine reactivity reported in scientific literature (PMID: 23308878). Bovine reactivity reported in scientific literature (PMID: 23308878). Sheep reactivity reported in scientific literature (PMID: 23308878). Sheep reactivity reported in scids 637-650 (EKDDREDKENAFKR) of hum	Storage	Store at 4C in the dark. Do not freeze.
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Buffer     PBS       Product Description     CoraFluor(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.       Host     Mouse       Gene ID     1786       Gene Symbol     DNMT1       Species     Human, Mouse, Rat, Porcine, Bovine, Sheep       Reactivity Notes     Rat reactivity reported in scientific literature (PMID: 2908878). Sheep reactivity reported in scientific literature (PMID: 290413592). Bovine reactivity reported in scientific literature (PMID: 2008878). Sheep reactivity reported in scientific literature (PMID: 20013878). Sheep reactivity reported in scientific literature (PMID: 2001370).       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     Weste	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     Mouse       Gene ID     1786       Gene Symbol     DNMT1       Species     Human, Mouse, Rat, Porcine, Bovine, Sheep       Reactivity Notes     Rat reactivity reported in scientific literature (PMID: 19924110). Porcine reactivity reported in scientific literature (PMID: 2380878). Sheep reactivity reported in scientific literature (PMID: 27384909).       Immunogen     This antibody was raised against a synthetic peptide corresponding to amino acids 637-650 (EKDDREDKENAFKR) of human Dnmt1 (Genbank Accession No NP_001370).       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     Western Blot, Flow Cytometry, Flow (Intracellular), Immunohistochemistry/ Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), CyTOF-ready, Immunohistochemistry/ Free-Floating	Purity	Protein G purified
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Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), CyTOF-ready, Immunohistochemistry Free-Floating	Product Application Details	
	Applications	Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), CyTOF-ready, Immunohistochemistry Free-Floating,



	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Flow (Intracellular), Immunohistochemistry Free- Floating, Chromatin Immunoprecipitation (ChIP), CyTOF-ready, Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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#### Products Related to NB100-56519CL1

NB120-13888	DNMT3A Antibody (64B1446) - BSA Free
AF748	E-Cadherin Antibody [Unconjugated]
KA1515	DNMT1 Activity/Inhibition Assay Kit (Colorimetric)
H00001786-Q01-10ug	Recombinant Human DNMT1 GST (N-Term) Protein

#### 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.

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