

# Product Datasheet

## Cystatin/Stefin Homolog Antibody (263423) [CoraFluor™ 1] FAB1710CL1

Unit Size: 0.5 ml

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

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**FAB1710CL1**

Cystatin/Stefin Homolog Antibody (263423) [CoraFluor™ 1]

Product Information	
Unit Size	0.5 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
Clone	263423
Preservative	No Preservative
Isotype	IgG2a
Conjugate	CoraFluor 1
Purity	Protein A or G purified from hybridoma culture supernatant
Buffer	PBS

Product Description	
Description	<p>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(TM) 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.</p> <p><a href="#">CoraFluor(TM) 1, amine reactive</a></p> <p><a href="#">CoraFluor(TM) 1, thiol reactive</a></p> <p>For more information, please see our <a href="#">CoraFluor(TM) TR-FRET technology flyer</a>.</p>
Host	Rat
Gene ID	1475
Gene Symbol	Csta1
Species	Mouse
Specificity/Sensitivity	Detects mouse Cystatin/Stefin Homolog in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) Cystatin D, F, S, SA, SN, recombinant mouse (rm) Cystatin A, B, C, E/M, rmFetuin A, rhFetuin B, rmHPRG, rmKininogen, or rhKininostatin is observed.
Immunogen	<i>E. coli</i> -derived recombinant mouse Cystatin/Stefin Homolog Ile2-Phe97 Accession # P56567
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	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot, Immunoprecipitation

## Application Notes

Optimal dilution of this antibody should be experimentally determined.

## Images

CoraFluor™ 1, amine reactive (Catalog:7920) and CoraFluor™ 2, amine reactive (Catalog # 7950) are terbium-based probes that have been developed for use as TR-FRET donors. They emit wavelengths compatible with commonly used fluorescent acceptor dyes such as BODIPY® (or BDY) and Janelia Fluor® dyes, FITC (Catalog # 5440), TMR and Cyanine 5 (Catalog # 5436). CoraFluor™ fluorescence is brighter and more stable in biological media than existing TR-FRET donors, leading to enhanced sensitivity and improved data generation. CoraFluor™ 1 exhibits excitation upon exposure to a 337 nm UV laser.





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### **Products Related to FAB1710CL1**

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MSCTC0	Cystatin C [HRP]
AF2419	PDX-1/IPF1 Antibody [Unconjugated]
MAB1455	Albumin Antibody (188835) [Unconjugated] - Serum
AF965	Cathepsin B Antibody [Unconjugated]

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### **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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