

Product Datasheet

BoNT-A Light Chain Antibody (503013) [CoraFluor™ 1] FAB4489CL1

Unit Size: 0.1 ml

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

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Updated 8/13/2025 v.20.1

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FAB4489CL1

BoNT-A Light Chain Antibody (503013) [CoraFluor™ 1]

Product Information	
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
Clone	503013
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>CoraFluor(TM) 1, amine reactive</p> <p>CoraFluor(TM) 1, thiol reactive</p> <p>For more information, please see our CoraFluor(TM) TR-FRET technology flyer.</p>
Host	Mouse
Gene ID	5185061
Gene Symbol	atx
Species	C. botulinum
Reactivity Notes	C. botulinum
Specificity/Sensitivity	Detects <i>C. botulinum</i> BoNT-A Light Chain in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with BoNT-B light chain, BoNT-E light chain, BoNT-A heavy chain, BoNT-C1 heavy chain, or BoNT-D heavy chain is observed.
Immunogen	<i>E. coli</i> -derived recombinant Clostridium BoNT-A Light Chain Met1-Phe425 Accession # Q45894
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, Immunocytochemistry



Recommended Dilutions	Western Blot, Immunoprecipitation, Immunocytochemistry
Application Notes	Optimal dilution of this antibody should be experimentally determined.



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Products Related to FAB4489CL1

4489-ZN-010	BoNT-A Light Chain [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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