Product Datasheet

Lymphotoxin-alpha/TNF-beta Antibody (3F12.2D3) [mFluor Violet 610 SE]

NBP2-81106MFV610

Unit Size: 0.1 ml

Store at 4C in the dark.

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Lymphotoxin-alpha/TNF-beta Antibody (3F12.2D3) [mFluor Violet 610 SE]

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.
Clonality	Monoclonal
Clone	3F12.2D3
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	mFluor Violet 610 SE
Purity	Protein A purified
Buffer	50mM Sodium Borate

Product Description

Host	Mouse
Gene ID	4049
Gene Symbol	LTA
Species	Human
Specificity/Sensitivity	3F12 binds to human LTalpha3 and LT-alpha-beta (with a KD of ~0.3 nM, determined by BIACORE; ~ 37 pM, determined by ELISA) in both its soluble homotrimeric and membrane heterotrimeric forms. LTalpha belongs to the tumor necrosis factor (TNF) superfamily and is secreted as a homo-trimer (LTalpha3), or is expressed on the cell surface in complex with LTbeta. Lymphotoxin is produced by lymphocytes and in its homotrimeric form binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFBR and TNFRSF14/HVEM. LTalpha3 signaling induces target cells to upregulate many chemokines and cytokines in an NFkB-dependent manner.
Immunogen	3F12 was prepared by hyperimmunizing BALB/c mice with purified recombinant human LTalpha expressed in E. coli - the hybridoma clone was selected for its ability to bind LTalpha3 by ELISA. The CDRs of the antibody were grafted to the framework regions of the mice mAb 2G7 to create the chimeric version of the antibody.

Product Application Details

Applications	ELISA, Flow Cytometry, Neutralization, Surface Plasmon Resonance
Recommended Dilutions	Flow Cytometry, ELISA, Surface Plasmon Resonance, Neutralization
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Images

Lymphotoxin-alpha/TNF-beta Antibody (3F12.2D3) [mFluor Violet 610 SE] [NBP2-81106MFV610] - Vial of mFluor Violet 610 conjugated antibody. mFluor Violet 610 is optimally excited at 421 nm by the Violet laser (405 nm) and has an emission maximum of 613 nm.	

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Products Related to NBP2-81106MFV610

NBP1-43317MFV610	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [mFluor Violet 610 SE]
NBP2-61307-10ug	Recombinant Human Lymphotoxin-alpha/TNF-beta Protein
210-TA-005	TNF-alpha [Unconjugated]
211-TBB-010/CF	Lymphotoxin-alpha/TNF-beta [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.

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