

Product Datasheet

BTLA/CD272 Antibody (HMBT-6B2) - Chimeric - Azide and BSA Free NBP2-81118-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP2-81118-0.2mg

BTLA/CD272 Antibody (HMBT-6B2) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	HMBT-6B2
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

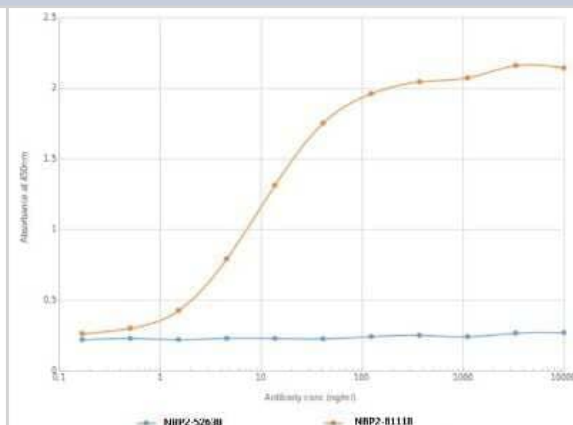
Product Description	
Description	Novus Biologicals Rabbit BTLA/CD272 Antibody (HMBT-6B2) - Chimeric - Azide and BSA Free (NBP2-81118) is a recombinant monoclonal antibody validated for use in WB, ELISA, Flow and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	151888
Gene Symbol	BTLA
Species	Mouse
Specificity/Sensitivity	This antibody is specific for B and T lymphocyte attenuator (BTLA), which functions as a negative regulator of T cell activation and proliferation, and attenuates B cell proliferation upon associating with its known ligand, herpes virus entry mediator (HVEM).
Immunogen	This antibody was raised by immunising Armenian hamsters with mouse BTLA/CD272:Fc fusion protein.

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Functional, Immunoblotting, Immunoprecipitation, Block/Neutralize
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunoprecipitation, Functional, Immunoblotting, Block/Neutralize
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques. This antibody has been used in immunoblot analyses to confirm that B and T lymphocyte attenuator (BTLA) regulates T cell activation through interaction with herpesvirus entry mediator (HVEM) (Sedy et al, 2005), as well as in FACS and yeast display technology to demonstrate that BTLA exhibits structural and expression polymorphisms and is highly induced in anergic CD4+ T Cells (Hurchla et al, 2005). In a mouse conjunctivitis model, treatment with this antibody during the induction phase has been shown to decrease B-cell population, upregulate Th2 cytokine production and increase the conjunctival eosinophile numbers (Ishida et al, 2012). However, treatment with this antibody during the effector phase does not affect the development of experimental conjunctivitis (Ishida et al, 2012).



Images

ELISA: BTLA/CD272 Antibody (HMBT-6B2) - Chimeric [NBP2-81118] - ELISA of anti-BTLA antibody on BTLA-Fc fusion protein. Binding curves of the rabbit IgG chimeric version of the (NBP2-81118; red line) and isotype control (NBP2-52638, anti-Fluorescein; blue line) to an ELISA plate coated with BTLA-Fc fusion protein at a concentration of 5 ug/ml. A 3-fold serial dilution from 10,000 to 0.17 ng/ml of NBP2-81118 was used. For signal detection, a 1:4000 dilution of anti-rabbit IgG1 antibody was used. The second increase in absorbance at 3333ng/ml is suggestive of a possible secondary binding epitope for NBP2-81118 on BTLA-Fc fusion protein.





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Products Related to NBP2-81118-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-49354PEP	BTLA/CD272 Recombinant Protein Antigen
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.

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