

Product Datasheet

TWEAK/TNFSF12 Antibody (MTW-1) - Chimeric - Azide and BSA Free NBP3-09045-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-09045-0.2mg

TWEAK/TNFSF12 Antibody (MTW-1) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MTW-1
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

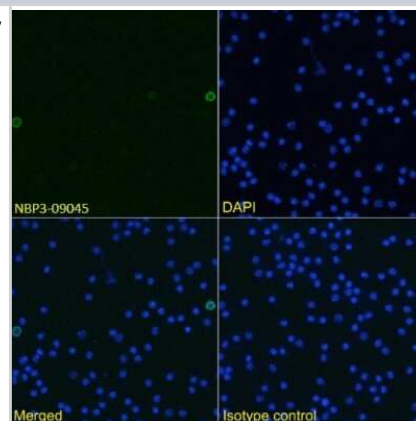
Product Description	
Description	Novus Biologicals Rabbit TWEAK/TNFSF12 Antibody (MTW-1) - Chimeric - Azide and BSA Free (NBP3-09045) is a recombinant monoclonal antibody validated for use in Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8742
Gene Symbol	TNFSF12
Species	Mouse
Specificity/Sensitivity	This antibody is specific for murine TWEAK. It has been shown not to react with TNF- alpha , FasL, and TRAIL.
Immunogen	This antibody was raised by immunising SD rats with CD8-mTWEAK, a fusion of the human CD8alpha extracellular region to murine TWEAK.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Application Notes	<p>This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.</p> <p>The specificity of this antibody has been confirmed in flow cytometric analysis, where it reacts specifically with mTWEAK-transfected L5178Y cells, and not with parental L5178Y cells or cells transfected with related TNF family members (Nakayama et al, 2003). Additionally, this antibody has been used to assess TWEAK cell surface expression in flow cytometric analysis (Nakayama et al, 2003). This antibody has been shown to block CD8-mTWEAK cytotoxicity against L5178Y cells over-expressing murine Fn14, the TWEAK receptor (Nakayama et al, 2003). When administered to collagen-induced arthritis (CIA) mice, this blocking antibody has been shown to have anti-inflammatory and antiangiogenic effects, with associated improvements to both the clinical and histological manifestations of CIA (Kamata et al, 2006). Additionally, administration of this antibody to denervated mice attenuates denervation-induced skeletal muscle loss (Mittal et al, 2010). Finally, administration of this antibody to CD163^{-/-} mice subject to hind limb ischaemia inhibits the increased perfusion resulting from CD163 deficiency (Akahori et al, 2015).</p>



Images

Immunocytochemistry/Immunofluorescence: TWEAK/TNFSF12 Antibody (MTW-1) - Chimeric [NBP3-09045] - Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes immobilized on Shi-fix(TM) cover-slips and stained with the chimeric rabbit IgG version of MTW-1 (NBP3-09045) at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining in subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09045, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor(R) 488 secondary antibody.





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Products Related to NBP3-09045-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-46811PEP	TWEAK/TNFSF12 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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