

# Product Datasheet

## **TWEAK/TNFSF12 Antibody (MTW-1) - Azide and BSA Free NBP3-09046-0.2mg**

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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**NBP3-09046-0.2mg**

TWEAK/TNFSF12 Antibody (MTW-1) - 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	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rat TWEAK/TNFSF12 Antibody (MTW-1) - Azide and BSA Free (NBP3-09046) is a recombinant monoclonal antibody validated for use in Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
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, Block/Neutralize
Recommended Dilutions	Flow Cytometry, Block/Neutralize
Application Notes	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 <sup>-/-</sup> mice subject to hind limb ischaemia inhibits the increased perfusion resulting from CD163 deficiency (Akahori et al, 2015).





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### **Products Related to NBP3-09046-0.2mg**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
NBP1-43322-0.5mg	Rat IgG1 Kappa Light Chain Isotype Control (RG1)
NBP2-46811PEP	TWEAK/TNFSF12 Recombinant Protein Antigen

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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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