

# Product Datasheet

## TREM2 Antibody NBP1-44067

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**NBP1-44067**

## TREM2 Antibody

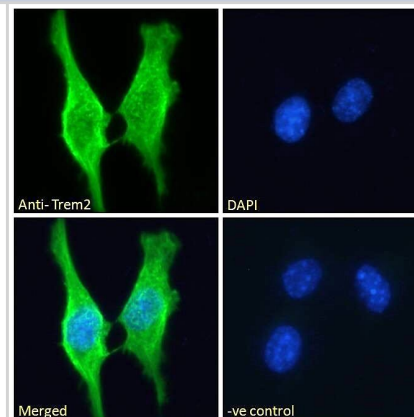
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat TREM2 Antibody (NBP1-44067) is a polyclonal antibody validated for use in ELISA and ICC/IF. Anti-TREM2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	54209
Gene Symbol	TREM2
Species	Mouse
Immunogen	Peptide with sequence C-QVEHSTSRNQET corresponding to internal region according to Uniprot Mouse NP_112544.1.

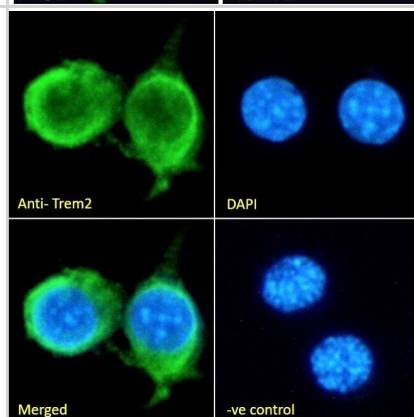
Product Application Details	
Applications	ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	ELISA Detection limit 1:32000, Immunocytochemistry/ Immunofluorescence 10 ug/ml
Application Notes	WB: Approx. 28 kDa band observed in mouse liver lysates (calculated MW of 24.5 kDa band according to NP_112544.1).

## Images

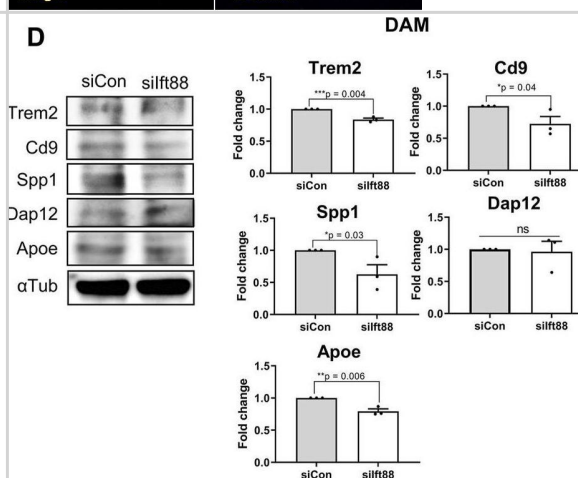
Immunocytochemistry/Immunofluorescence: Goat Polyclonal TREM2 Antibody [NBP1-44067] - Immunofluorescence analysis of paraformaldehyde fixed 3T3-L1 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunocytochemistry/Immunofluorescence: Goat Polyclonal TREM2 Antibody [NBP1-44067] - Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Repression of microglial primary cilia in 5xFAD mice (A) Representative images of AC3 (green)-positive microglia (MG) stained for Iba1 (red) in the LS and the cortex of WT and 5xFAD mice (6-month-old). In 5xFAD mice, A $\beta$  plaques were stained using 6E10 antibodies (white). (B) Plots depict the percentage of AC3-positive microglia and the length of AC3-stained primary cilia, respectively. Images were taken from the LS (1024  $\times$  2) and the cortex (1024  $\times$  2) of WT and 5xFAD mice (5-month-old, n = 4, each group, male) (C) Western blot analysis shows the differential expression of the homeostatic microglial markers in BV2 cells, which were harvested 24 h after transfection with silft88. Plots represent protein expression normalized by  $\alpha$ -tubulin ( $\alpha$ Tub, n = 3). (D) Western blot analysis shows the differential expression of the DAM markers in BV2 cells transfected with silft88 for 24 h. Plots represent protein expression normalized by  $\alpha$ Tub (n = 3). (B–D) Data represent means  $\pm$  SEM, and p-values were calculated by an unpaired two-tailed t-test. \*\*\*\*p < 0.0001, \*\*\*p < 0.001, \*\*p < 0.01, \*p < 0.05, ns (non-significant). Scale bars = 10  $\mu$ m. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37942288>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Takahashi K, Prinz M, Stagi M et al. TREM2-transduced myeloid precursors mediate nervous tissue debris clearance and facilitate recovery in an animal model of multiple sclerosis. PLoS Med 2007-04-01 [PMID: 17425404]



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### **Products Related to NBP1-44067**

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-22888	Recombinant Human TREM2 His Protein

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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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