

Product Datasheet

TREM2 Antibody (2B5) - BSA Free NBP1-07101

Unit Size: 0.1 ml

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

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NBP1-07101

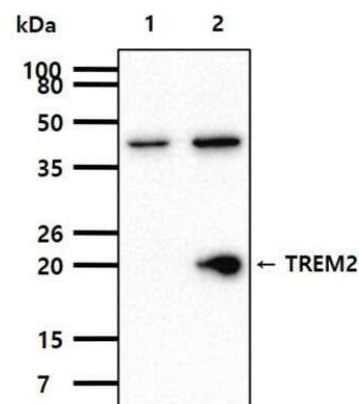
TREM2 Antibody (2B5) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2B5
Preservative	0.02% Sodium Azide
Isotype	IgG3 Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.4), 10% Glycerol
Product Description	
Host	Mouse
Gene ID	54209
Gene Symbol	TREM2
Species	Human, Rat
Reactivity Notes	Use in Rat reported in scientific literature (PMID:32139718).
Immunogen	Recombinant human TREM2 (19-161aa) purified from E. coli (NP_061838).
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1000, Simple Western 1:10, Flow Cytometry 2-5ug, ELISA 1:500-1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size, antibody dilution of 1:10, detects a band at 45 kDa. Use in IHC-P reported in scientific literature (PMID: 23830013).

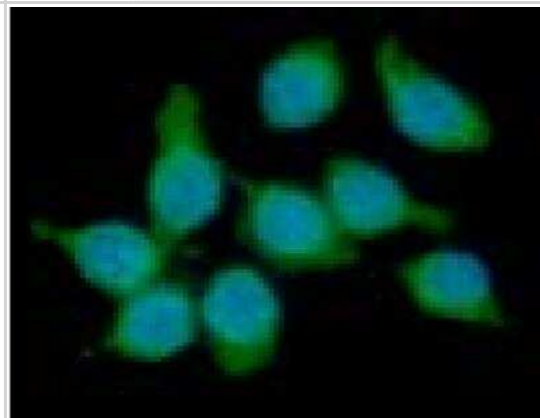


Images

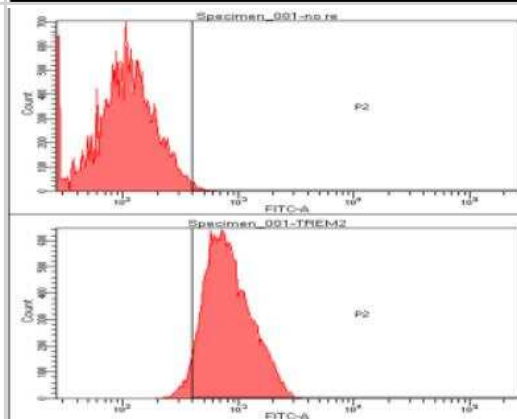
Western Blot: TREM2 Antibody (2B5) [NBP1-07101] - The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with TREM2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : 293T cell lysate. Lane 2 : TREM2 19-161aa Transfected 293T cell lysate



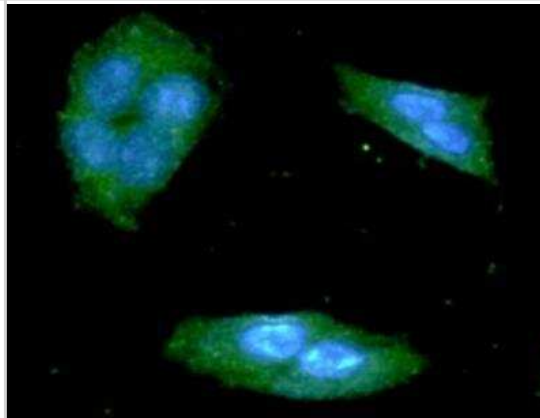
Immunocytochemistry/Immunofluorescence: TREM-2 Antibody (2B5) [NBP1-07101] - Analysis of TREM2 in Raw264.7 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human TREM2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



Flow Cytometry: TREM-2 Antibody (2B5) [NBP1-07101] - Flow cytometry analysis of TREM2 in Hep3B cell line, staining at 2-5ug for 1x10⁶ cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.



Immunocytochemistry/Immunofluorescence: TREM-2 Antibody (2B5) [NBP1-07101] - HepG2 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human TREM2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green)



Publications

Do TH, Ma F, Andrade PR et al. TREM2 macrophages induced by human lipids drive inflammation in acne lesions *Science immunology* 2022-07-22 [PMID: 35867799]

Tambini MD, D'Adamio L Trem2 Splicing and Expression are Preserved in a Human Abeta-producing, Rat Knock-in Model of Trem2-R47H Alzheimer's Risk Variant *Nature* 2020-03-05 [PMID: 32139718] (WB, WB, Rat)

Iannucci J, Sen A, Grammas P Isoform-Specific Effects of Apolipoprotein E on Markers of Inflammation and Toxicity in Brain Glia and Neuronal Cells *In Vitro Current issues in molecular biology* 2021-05-27 [PMID: 34071762] (WB, Human)

Roussos P, Katsel P, Fam P et al. The triggering receptor expressed on myeloid cells 2 (TREM2) is associated with enhanced inflammation, neuropathological lesions and increased risk for Alzheimer's dementia. *Alzheimers Dement.* 2014-12-09 [PMID: 25499537] (WB)

Fernandez-Lopez D, Faustino J, Derugin N, Vexler ZS. Acute and chronic vascular responses to experimental focal arterial stroke in the neonate rat. *Transl Stroke Res.* 2013-04-01 [PMID: 23830013] (IHC-P, Human)





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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96978	Mouse IgG3 Kappa Light Chain Isotype Control (MG3K)
NBP2-22888	Recombinant Human TREM2 His Protein

Limitations

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