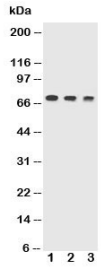
Trem1 Antibody (R30663)

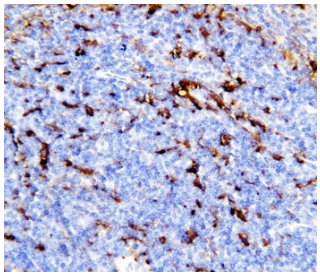
Catalog No.	Formulation	Size
R30663	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

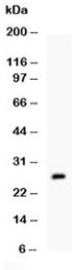
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9JKE2
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This Trem1 antibody is available for research use only.



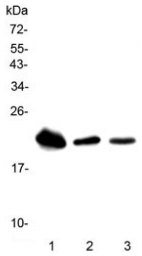
Western blot testing of Trem1 antibody and Lane 1: recombinant mouse protein 10ng; 2: 5ng; 3: 2.5ng. The chimeric recombinant protein used for this test contains AA 21-202 + human Fc and is glycosylated.



IHC-P: Trem1 antibody testing of mouse spleen tissue



Western blot testing of recombinant mouse Trem1 protein (1ng/lane).



Western blot testing of 1) rat liver, 2) mouse liver and 3) mouse spleen lysate with Trem1 antibody. Predicted molecular weight ~26 kDa.

Description

Triggering receptor expressed on myeloid cells-1, is encoded by the TREM1 gene. Expression is seen is in monocytes and neutrophils but not in lymphocytes, dendritic cells, or other cell types. The expression of Trem1 is upregulated by stimulation with lipopolysaccharide (LPS), gram-negative bacteria, and fungi. Cross-linking of TREM1 on neutrophils induces interleukin-8 (IL8) and myeloperoxidase secretion, while cross-linking on monocytes induces not only secretion of IL8 but also of monocyte chemotactic protein-1 (MCP1, or SCYA2) and tumor necrosis factor (TNF); MCP1 and TNF secretion could be further upregulated by LPS-mediated priming. Engagement also induces upregulation of adhesion molecules (e.g., ITGB1) and costimulatory molecules (e.g., CD40). TREM1 is associated with DAP12 (TYROBP), a molecule frequently associated with activating receptors.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Trem1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 74-90 (FTRPSEVHMGKFTLKHD-mouse) were used as the immunogen for this Trem1 antibody.

Storage

After reconstitution, the Trem1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
Copyright © NSJ Bioreagents. All rights reserved.