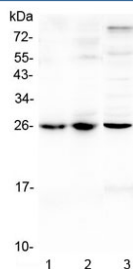


## Trem1 Antibody (R32922)

Catalog No.	Formulation	Size
R32922	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	Q9JKE2
<b>Applications</b>	Western Blot : 0.5-1ug/ml ELISA (Capture; Recombinant Mouse Protein) : 0.1-0.5ug/ml (BSA-free format available)
<b>Limitations</b>	This Trem1 antibody is available for research use only.



Western blot testing of 1) mouse lung, 2) mouse spleen and 3) rat spleen lysate with Trem1 antibody at 0.5ug/ml. Predicted molecular weight: 26-30 kDa depending on glycosylation level.

## Description

Trem1, Triggering receptor expressed on myeloid cells-1, is encoded by TREM1 gene. The expression of Trem1 is in monocytes and neutrophils but not in lymphocytes, dendritic cells, or other cell types. Trem1 is a 30-kD glycoprotein that is reduced to 26 kD by deglycosylation, in agreement with the predicted molecular mass. The Trem1 gene which contains 4 exons maps to chromosome 6p21.1, within a TREM gene cluster and the mouse Trem1 gene maps to chromosome 17 in a region that shows homology of synteny to human chromosome 6. 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 chemoattractant protein-1 (MCP1, or SCYA2) and tumor necrosis factor (TNF); MCP1 and TNF secretion could be further upregulated by LPS-mediated priming. Trem1 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

Optimal dilution of the Trem1 antibody should be determined by the researcher.

## Immunogen

A recombinant mouse protein corresponding to amino acids A21-S202 was used as the immunogen for the Trem1 antibody.

## Storage

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