

# TREM2 Recombinant antibody

Catalog Number: 83438-6-RR

## Basic Information

**Catalog Number:**

83438-6-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC032362

**GeneID (NCBI):**

54209

**UNIPROT ID:**

Q9NZC2

**Full Name:**

triggering receptor expressed on myeloid cells 2

**Calculated MW:**

222 aa, 25 kDa

**Observed MW:**

26-32 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240384B7

**Recommended Dilutions:**

WB 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : PMA treated THP-1 cells, THP-1 cells

## Background Information

TREM2 (triggering receptor expressed on myeloid cells 2) is a cell surface receptor belongs to TREM family that is expressed on osteoclast, dendritic cells, macrophages, nature killers, neutrophils and microglia (PMID: 19302484). TREM2 is localized predominantly in the Golgi complex, but also shuttles to and from the cell surface in endocytic and exocytic vesicles (PMID: 16675145). TREM2 associates with DAP12 to initiate the intracellular signalling cascade via an immunoreceptor tyrosine-based activation motif (ITAM) domain and tyrosine-kinases (PMID: 23977213).

## Storage

**Storage:**

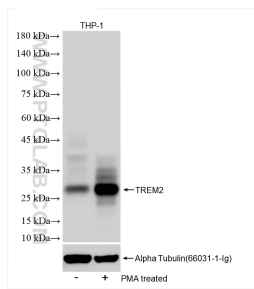
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

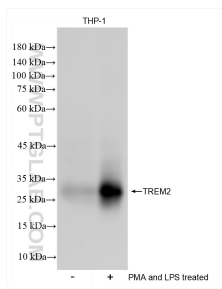
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

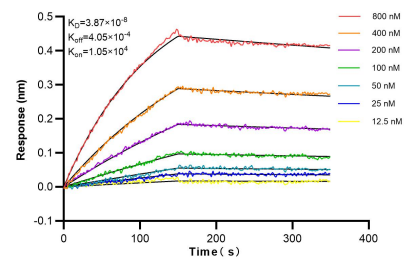
## Selected Validation Data



PMA treated THP-1 cells were subjected to SDS PAGE followed by western blot with 83438-6-RR (TREM2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Non-treated and PMA treated THP-1 cells were subjected to SDS PAGE followed by western blot with 83438-6-RR (TREM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83438-6-RR against Human TREM2 were performed. The affinity constant is 38.7 nM.