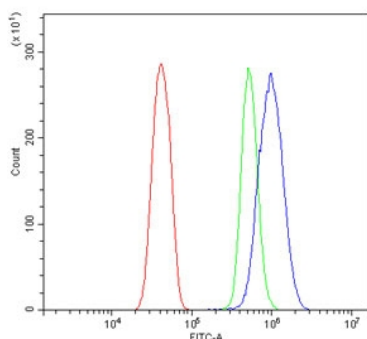


## Trem2 Antibody (RQ6214)

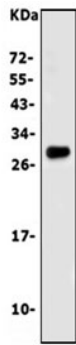
Catalog No.	Formulation	Size
RQ6214	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.0125% sodium azide
<b>UniProt</b>	D3ZZ89
<b>Applications</b>	Western blot : 1-2ug/ml Flow cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Trem2 antibody is available for research use only.



Flow cytometry testing of rat RH35 cells with Trem2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Trem2 antibody.



Western blot testing of rat C6 cell lysate with Trem2 antibody. Predicted molecular weight ~25 kDa.

## Description

Triggering receptor expressed on myeloid cells 2 also known as TREM-2 is a protein that in humans is encoded by the TREM2 gene. This gene encodes a membrane protein that forms a receptor signaling complex with the TYRO protein tyrosine kinase binding protein. The encoded protein functions in immune response and may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS). Alternative splicing results in multiple transcript variants encoding different isoforms.

## Application Notes

Optimal dilution of the Trem2 antibody should be determined by the researcher.

## Immunogen

A rat recombinant partial protein (amino acids L19-D131) was used as the immunogen for the Trem2 antibody.

## Storage

After reconstitution, the Trem2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.