



## Datasheet for ABIN7320676 TREM2 Protein (Fc Tag)



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### 1 Image

#### Overview

Quantity:	50 µg
Target:	TREM2
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TREM2 protein is labelled with Fc Tag.

#### Product Details

Purpose:	Recombinant Mouse TREM2 Protein (Fc Tag)
Sequence:	Leu19-Pro168
Characteristics:	Recombinant Mouse Triggering Receptor Expressed on Myeloid Cells 2b is produced by our Mammalian expression system and the target gene encoding Leu19-Pro168 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### Target Details

Target:	TREM2
Alternative Name:	TREM2 ( <a href="#">TREM2 Products</a> )
Background:	Background: Triggering receptor expressed on myeloid cells-2 (TREM-2) is a cell surface receptor primarily expressed on macrophages, osteoclasts, microglia and dendritic cells.

## Target Details

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TREM-2 is one member of the TREM family, inhibiting the releasing of inflammatory mediators, so it is an important in vivo anti-inflammatory receptor. TREM-2 consists of an 18 aa signal sequence, a 153 aa extracellular domain (ECD) with one V-type Ig-like domain, a 21 aa transmembrane (TM) domain, and a 35 aa cytoplasmic tail. A soluble form of TREM-2 (TREM-2b) created by alternate splicing diverges at aa 161. TREM-2 transduces intracellular signals through the adaptor DAP12. After binding of TREM-2 with ligand, the TREM-2/DAP12 (dead-cell-activated-receptor-associated protein)-mediated signal transduction pathway causes a series of intracellular protein tyrosine phosphorylation reactions and enzymatic reactions, which then activate the myeloid cells and participate T cell responses.

Synonym: Triggering Receptor Expressed on Myeloid Cells 2b, Triggering receptor expressed on myeloid cells 2, TREM-2, Triggering receptor expressed on monocytes 2, Trem2, Trem2a, Trem2b, Trem2c, TREM-2b

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Molecular Weight: 43.7 kDa

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UniProt: [Q99NH8](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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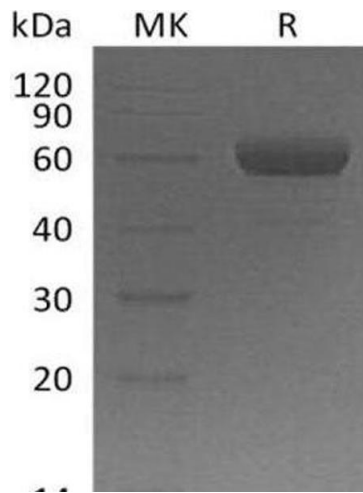
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



### Western Blotting

Image 1.