

## TREM-1 protein

TREM-1

CATALOG #  
**AAA27930**

HOST  
**Human**

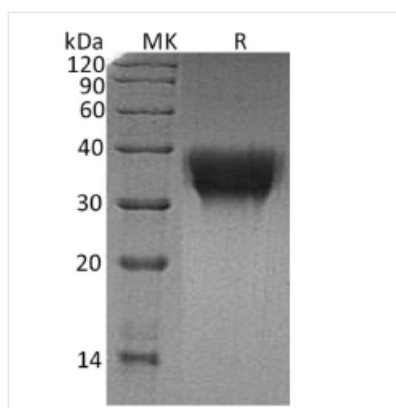
### PRODUCT SYNONYMS

TREM-1; Triggering Receptor Expressed on Myeloid Cells 1; Triggering Receptor Expressed on Monocytes 1; CD354; TREM1; TREM-1 protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Human                                                                                                                                                                                                                                                                                  |
| Purity/Purification     | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                   |
| Form/Format             | Liquid; Supplied in 20 mM PB, 150 mM NaCl, pH 7.2                                                                                                                                                                                                                                      |
| Concentration           | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                |
| Sequence Length         | 225                                                                                                                                                                                                                                                                                    |
| Expression System       | Human Cells                                                                                                                                                                                                                                                                            |
| Reconstitution          | Always centrifuge tubes before opening. Do not mix by vortex or pipetting.<br>It is not recommended to reconstitute to a concentration less than 100 ug/ml.<br>Dissolve the lyophilized protein in ddH2O.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Endotoxin               | Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.                                                                                                                                                                                                                              |
| Preparation and Storage | Store at <- 20 degree C. Aliquots of reconstituted samples are stable at -20 degree for long term. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.                                |

### IMAGES



WB (Western Blot)

Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TREM-1 protein | <p>Background: Triggering Receptor Expressed on Myeloid Cells 1 (TREM-1) is a transmembrane protein with a single Ig-like domain. TREM-1 associates with the adapter protein, DAP12, to deliver an activating signal. TREM-1 is expressed on blood neutrophils and monocytes, and the expression is up-regulated by bacterial LPS. TREM-1 is expressed at high levels on neutrophils of patients with microbial sepsis and in mice with a TREM-1/Fc fusion protein protected mice against LPS-induced shock. Human TREM-1 shares 42% sequence homology with mouse TREM-1.</p> <p>Description: Recombinant Human Triggering Receptor Expressed on Myeloid Cells 1 is produced by our Mammalian expression system and the target gene encoding Ala21-Arg200 is expressed with a 6His tag at the C-terminus.</p> |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 336088680                                                  |
| NCBI GeneID                      | 54210                                                      |
| NCBI Accession #                 | NP_001229518.1                                             |
| NCBI GenBank Nucleotide #        | NM_001242589.2                                             |
| UniProt Accession #              | Q9NP99; Q53FL8; Q5T2C9; Q86YU1; B4DWG2; K7EJW1             |
| NCBI Official Full Name          | triggering receptor expressed on myeloid cells 1 isoform 2 |
| NCBI Official Synonym Full Names | triggering receptor expressed on myeloid cells 1           |
| NCBI Official Symbol             | TREM1                                                      |
| NCBI Official Synonym Symbols    | CD354; TREM-1                                              |
| NCBI Protein Information         | triggering receptor expressed on myeloid cells 1           |
| UniProt Protein Name             | Triggering receptor expressed on myeloid cells 1           |
| UniProt Gene Name                | TREM1                                                      |
| UniProt Synonym Gene Names       | TREM-1                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.