

HUMAN TREM1 PROTEIN, HFC TAG

Cat.#: 11583

Product Name: Human TREM1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: TREM-1;CD354

Target: TREM1

UNIPROT ID: Q9NP99

Description: Recombinant human TREM1 protein with C-terminal human Fc tag

Background: This gene encodes a receptor belonging to the Ig superfamily that is expressed on myeloid cells. This protein amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 46.4 kDa after removal of the signal peptide. The apparent molecular mass of TREM1-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: TREM1(Ala21-Arg200) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

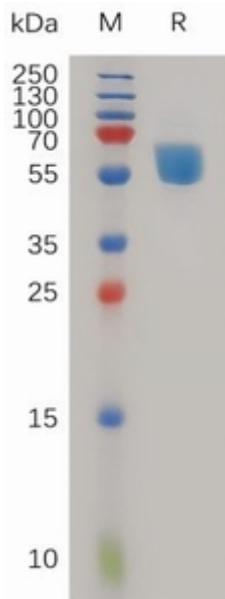


Figure 1. Human TREM1 Protein, hFc Tag on SDS-PAGE under reducing condition.