

Synonym

TREM1,CD354

Source

Human TREM-1, Fc Tag(TR1-H5251) is expressed from human 293 cells (HEK293). It contains AA Ala 21 - Arg 200 (Accession # [Q9NP99-1](#)).

Predicted N-terminus: Ala 21

Molecular Characterization

TREM-1(Ala 21 - Arg 200) Q9NP99-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus

The protein has a calculated MW of 46.7 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

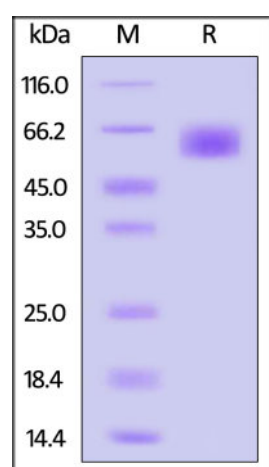
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human TREM-1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Background

Triggering receptor expressed on myeloid cells 1 (TREM1) is also known as CD antigen CD354, and is a type I transmembrane protein with a single Ig-like domain. TREM1 is highly expressed in adult liver, lung and spleen than in corresponding fetal tissue. TREM-1 / CD354 stimulates neutrophil and monocyte-mediated inflammatory responses, and also triggers release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Amplifier of inflammatory responses that are triggered by bacterial and fungal infections and is a crucial mediator of septic shock. TREM1 can interact with TYROBP / DAP12.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.