

Human TREML2/TLT-2 Protein

Cat. No. TLT-HM102

Description

Source	Recombinant Human TREML2/TLT-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly19-Ser268.
Accession	Q5T2D2
Molecular Weight	The protein has a predicted MW of 28.2 kDa. Due to glycosylation, the protein migrates to 73-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

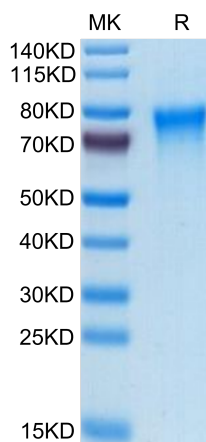
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

As an important family member of triggering receptor expressed on myeloid cells (TREM), TREM-like transcript 2 gene (TREML2) locates on human chromosome 6p21.1, a newly-identified hot zone for AD susceptibility, and encodes a transmembrane immune receptor. Emerging evidence implied a potential role of TREML2 in the susceptibility and pathogenesis of AD.

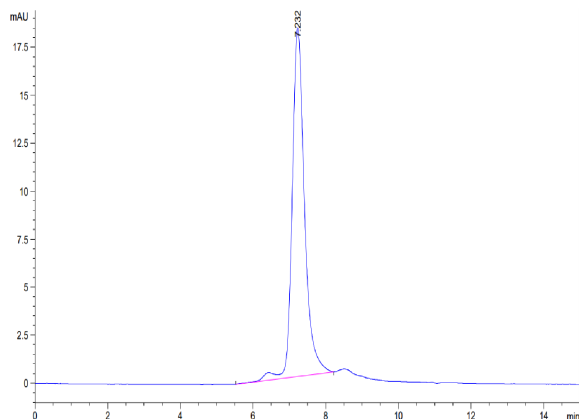
Assay Data

Bis-Tris PAGE



Human TREML2/TLT-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human TREML2/TLT-2 is greater than 95% as determined by SEC-HPLC.