Human CD48/SLAMF2 Protein

Cat. No. SLA-HM2MF

Description

Source	Recombinant Human CD48/SLAMF2 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Gln27-Ser220.
Accession	P09326-1
Molecular Weight	The protein has a predicted MW of 48.9 kDa. Due to glycosylation, the protein migrates to 62-72 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

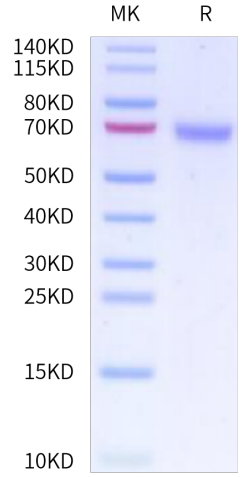
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD48, also known as BLAST-1, BCM-1, and SLAMF2, is a 65 kDa GPI-linked protein in the CD2 family of immunoglobulin superfamily molecules.CD2 and 2B4 (CD244) are known ligands for CD48. CD48 protein is expressed on most lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors.

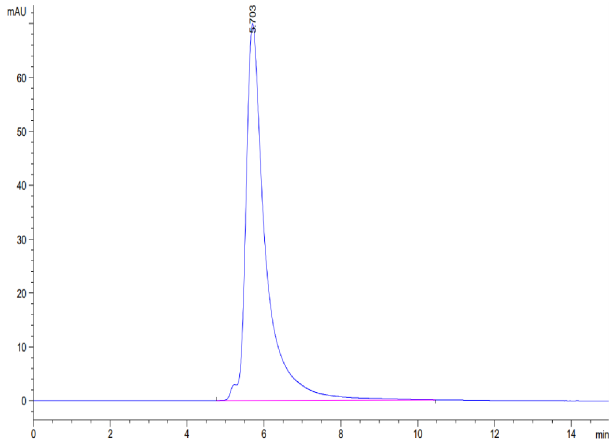
Assay Data

Tris-Bis PAGE



Human CD48 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CD48 is greater than 95% as determined by SEC-HPLC.

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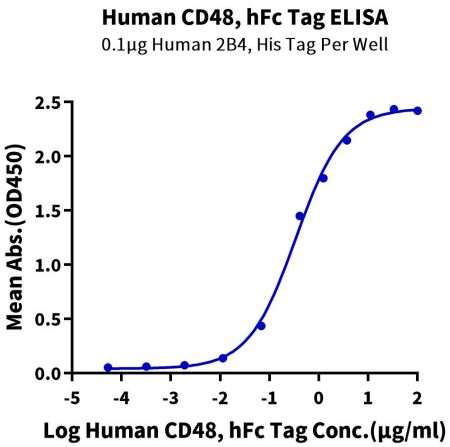
Assay Data

ELISA Data



Immobilized Human 2B4, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human CD48, hFc Tag with the EC50 of 0.34μg/ml determined by ELISA.