Human CD48/SLAMF2 Protein, Ultra Low Endotoxin

Cat. No. SLA-HM148-UL

Description

Source	Recombinant Human CD48/SLAMF2 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln27-Ser220.
Accession	P09326-1
Molecular Weight	The protein has a predicted MW of 23.4 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

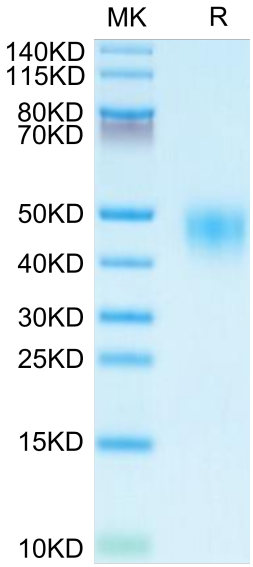
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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

Bis-Tris PAGE



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

SEC-HPLC

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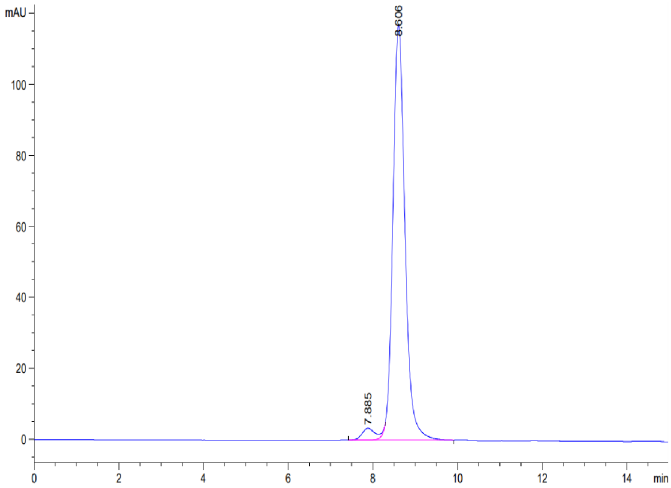
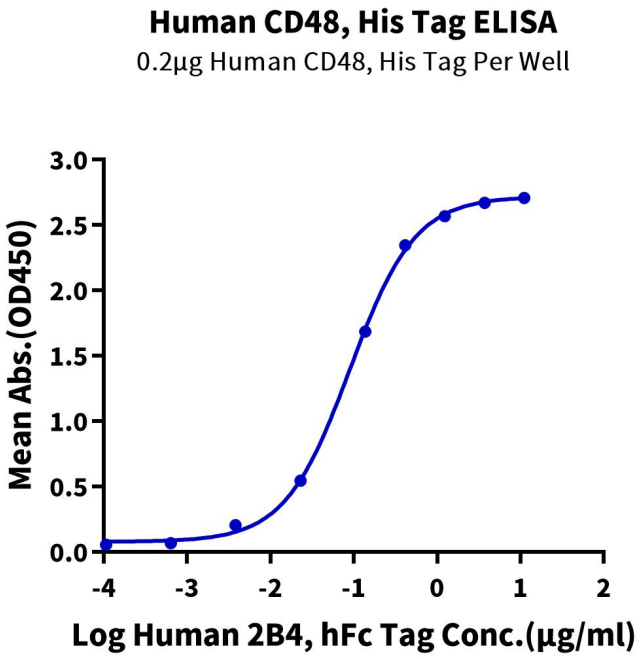
Assay Data



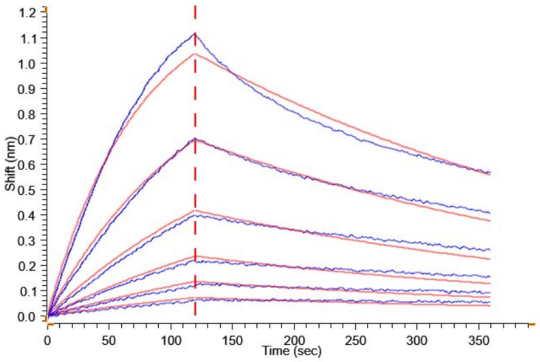
The purity of Human CD48 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human CD48, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human 2B4, hFc Tag with the EC50 of 89.8ng/ml determined by ELISA.

BLI Data



Loaded Human CD48, His Tag on Anti-His-Biosensor can bind Human 2B4, hFc Tag with an affinity constant of 5.79 nM as determined in BLI assay .