

Biotinylated Human CD48/SLAMF2 Protein



Cat. No. SLA-HM448B

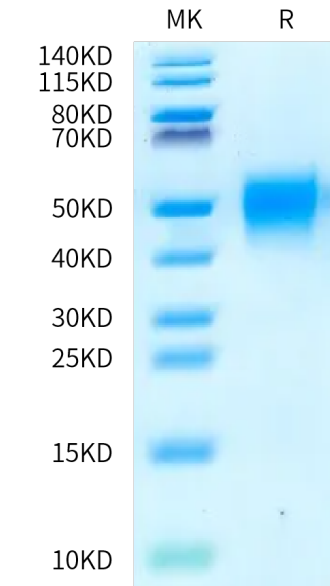
Description	
Source	Recombinant Biotinylated Human CD48/SLAMF2 Protein is expressed from HEK293 with His tag and Avi Tag at the C-terminus. It contains Gln27-Ser220.
Accession	P09326-1
Molecular Weight	The protein has a predicted MW of 25.25 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 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 0.22 µm 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

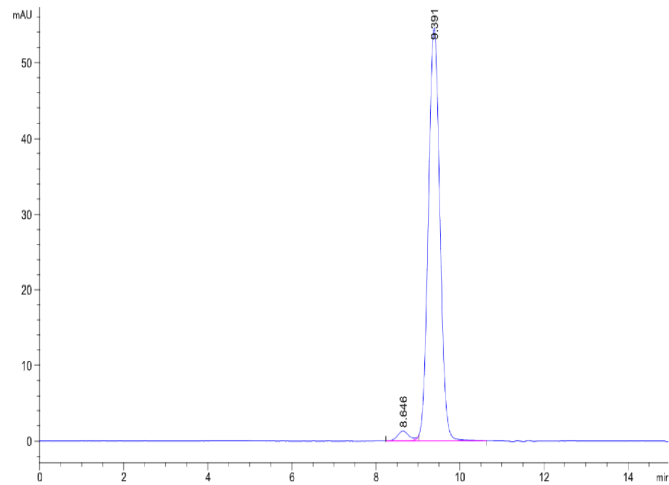
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

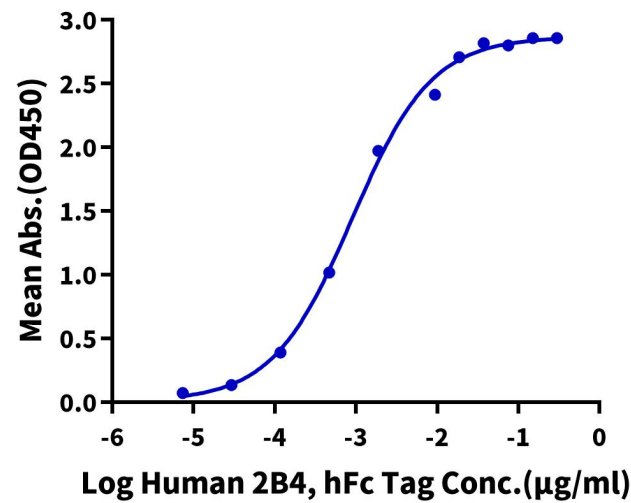


The purity of Biotinylated Human CD48 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human CD48, His Avi Tag ELISA

0.2μg Biotinylated Human CD48, His AviTag Per Well



Immobilized Biotinylated Human CD48, His-Avi Tag at 2μg/ml(100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Human 2B4, hFc Tag with the EC50 of 0.9ng/ml determined by ELISA.