Human CD2/SRBC Protein, Ultra Low Endotoxin

Cat. No. CD2-HM12D-UL

Description

Source	Recombinant Human CD2/SRBC Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Lys25-Thr128.
Accession	P06729
Molecular Weight	The protein has a predicted MW of 13.88 kDa. Due to glycosylation, the protein migrates to 18-25 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

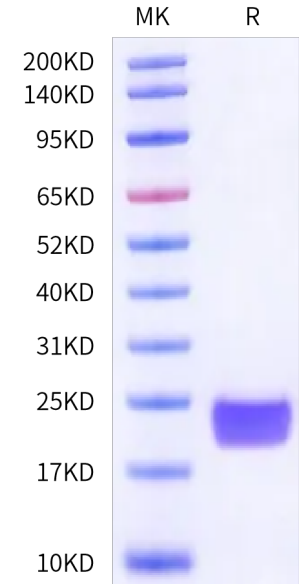
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

The CD2 family of receptors is evolutionarily conserved and widely expressed on cells within the hematopoietic compartment. In recent years several new members have been identified with important roles in the immune system. CD2 family members regulate natural killer (NK) cell lytic activity and inflammatory cytokine production when engaged by ligands on tumor cells.

Assay Data

Bis-Tris PAGE



Human CD2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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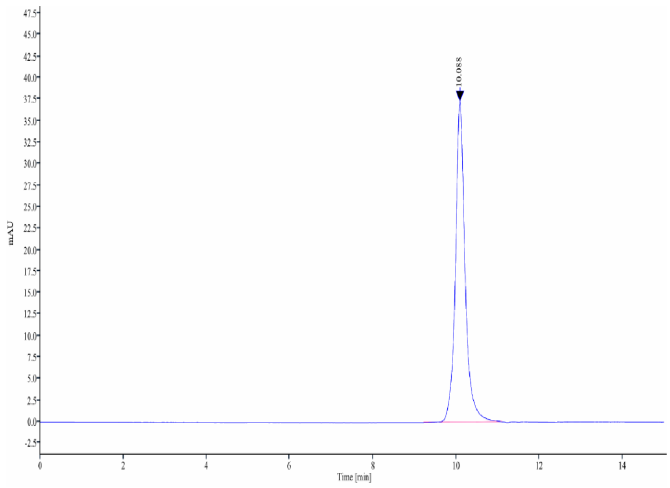
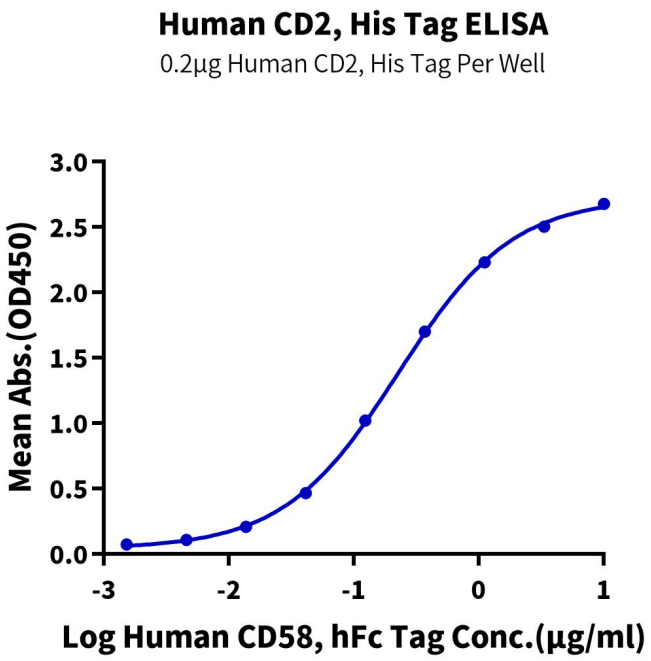
Assay Data



The purity of Human CD2 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human CD2, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human CD58, hFc Tag (Cat. CD5-HM208) with the EC50 of 0.23μg/ml determined by ELISA.