

Biotinylated Human CD2/SRBC Protein

Cat. No. CD2-HM402B

Description

Source	Recombinant Biotinylated Human CD2/SRBC Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Lys25-Asp209.
Accession	P06729
Molecular Weight	The protein has a predicted MW of 24.15 kDa. Due to glycosylation, the protein migrates to 35-45 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	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C . 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

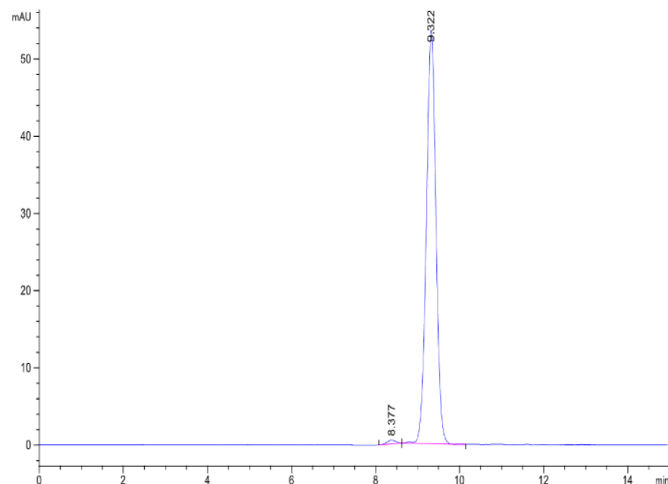
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

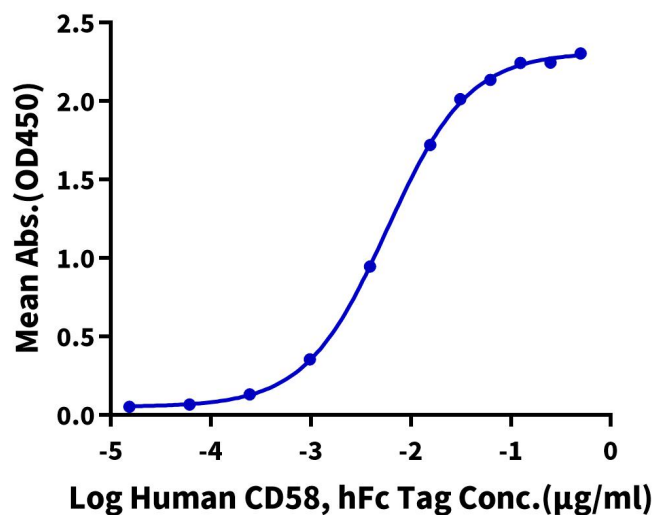


The purity of Biotinylated Human CD2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human CD2, His Tag ELISA

0.1µg Biotinylated Human CD2, His Tag Per Well



Immobilized Biotinylated Human CD2, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human CD58, hFc Tag with the EC50 of 5.8ng/ml determined by ELISA (QC Test).