Human 2B4/CD244/SLAMF4 Protein

Cat. No. 2B4-HM201

Description

Source	Recombinant Human 2B4/CD244/SLAMF4 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Cys22-Arg221.
Accession	Q9BZW8-2
Molecular Weight	The protein has a predicted MW of 49 kDa. Due to glycosylation, the protein migrates to 68-75 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

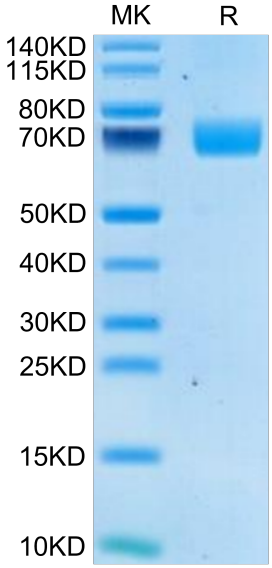
Formulation	Lyophilized from 0.22μm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

2B4 (CD244) is expressed by memory-phenotype CD8() T cells and all natural killer (NK) cells. The ligand for 2B4, CD48, is expressed on hematopoietic cells. 2B4 is conserved in humans and mice, and a number of reports have linked 2B4 with activation of lymphocytes.Engagement of 2B4 on NK cell surfaces with specific antibodies or CD48 can trigger cell mediated cytotoxicity, interferon γ secretion, phosphoinositol turnover and NK cell invasiveness.

Assay Data

Bis-Tris PAGE



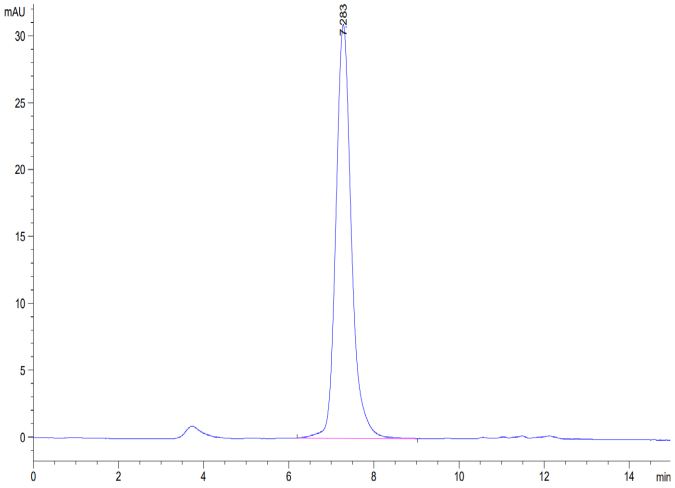
Human 2B4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human 2B4/CD244/SLAMF4 Protein

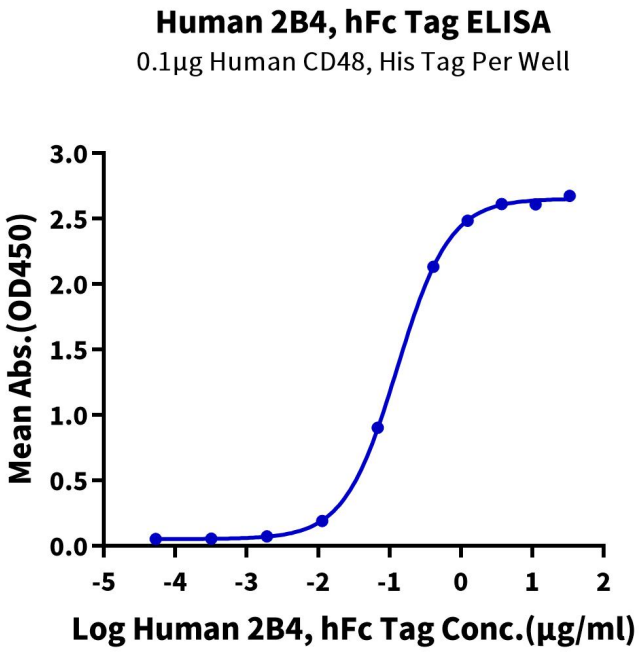
Cat. No. 2B4-HM201

Assay Data



The purity of Human 2B4 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human CD48, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human 2B4, hFc Tag with the EC50 of 0.13μg/ml determined by ELISA.