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2B4 Protein (AA 22-221) (His tag)





Overview

Quantity:	100 μg
Target:	2B4 (CD244)
Protein Characteristics:	AA 22-221
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This 2B4 protein is labelled with His tag.

Product Details

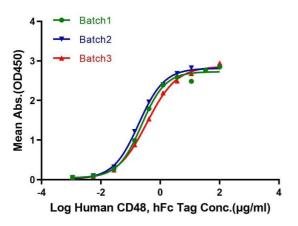
Purpose:	Human 2B4/CD244/SLAMF4 Protein
Sequence:	Cys22-Arg221
Characteristics:	Recombinant Human 2B4/CD244/SLAMF4 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Cys22-Arg221.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human 2B4, His Tag at $1\mu g/ml$ ($100\mu l/Well$) on the plate. Dose response curve for Human CD48, hFc Tag with the EC50 of $0.2\mu g/ml$ determined by ELISA. See testing image for detail.

Target Details

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Target:	2B4 (CD244)
Alternative Name:	2B4 (CD244 Products)
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.
Molecular Weight:	23.1 kDa. Due to glycosylation, the protein migrates to 45-70 kDa based on Tris-Bis PAGE result.
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human 2B4, His Tag ELISA

0.1µg Human 2B4, His Tag Per Well



ELISA

Image 1. Immobilized Human 2B4, His Tag at 1 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Human CD48, hFc Tag with the EC50 of 0.2/0.3/0.2 μ g/mL determined by ELISA.

140KD 115KD 80KD 70KD 50KD 40KD 30KD 25KD

MK

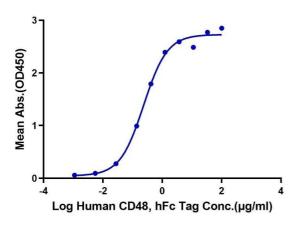
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SDS-PAGE

Image 2. Human 2B4/SLAMF4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.

Human 2B4, His Tag ELISA 0.1µg Human 2B4, His Tag Per Well

10KD



ELISA

Image 3. Immobilized Human 2B4, His Tag at $1 \mu g/mL$ (100 $\mu L/Well$) on the plate. Dose response curve for Human CD48, hFc Tag with the EC50 of $0.2 \mu g/mL$ determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7273780.