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Datasheet for ABIN7490273

CLEC4C Protein (AA 48-212) (Fc Tag)

Overview

Quantity:	500 µg
Target:	CLEC4C
Protein Characteristics:	AA 48-212
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLEC4C protein is labelled with Fc Tag.

Product Details

Purpose:	Cynomolgus BDCA-2 Protein
Sequence:	Tyr48-Ile212
Characteristics:	Recombinant Cynomolgus BDCA-2 Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Tyr48-Ile212.
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 Cynomolgus BDCA-2, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-BDCA-2 Antibody, hFc Tag with the EC50 of 13.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CLEC4C
Alternative Name:	BDCA-2 (CLEC4C Products)
Background:	BDCA-2, BDCA-3, and BDCA-4. In blood, BDCA-2 and BDCA-4 are expressed on CD11c(-) CD123(bright) plasmacytoid dendritic cells, whereas BDCA-3 is expressed on small population of CD11c() CD123(-) dendritic cells. All three Ags are not detectable on a third blood dendritic cell population, which is CD1c() CD11c(bright) CD123(dim), or on any other cells in blood.BDCA-2 is completely down-regulated on plasmacytoid CD11c(-) CD123(bright) dendritic cells, BDCA-2 is rapidly internalized at 37 degrees C after mAb labeling.
Molecular Weight:	44.99 kDa. Due to glycosylation, the protein migrates to 53-63 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5UWP4

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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