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CD22 Protein (AA 20-687) (Fc Tag)





Go to Product page

Overview

Quantity:	100 μg
Target:	CD22
Protein Characteristics:	AA 20-687
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD22 protein is labelled with Fc Tag.

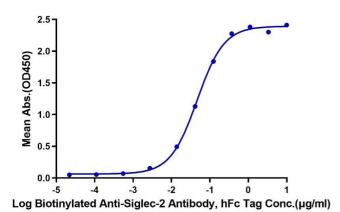
Product Details

Purpose:	Human Siglec-2/CD22 Protein
Sequence:	Asp20-Arg687
Characteristics:	Recombinant Human Siglec-2/CD22 Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Asp20-Arg687.
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 Siglec-2, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-Siglec-2 Antibody, hFc Tag with the EC50 of 46.6ng/ml determined by ELISA. See testing image for detail.

Target Details

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Target:	CD22
Alternative Name:	Siglec2 (CD22 Products)
Background:	CD22, or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. CD22 a member of the immunoglobulin superfamily. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signaling. It is also involved in the B cell trafficking to Peyer's patches in mice.
Molecular Weight:	101.9 kDa. Due to glycosylation, the protein migrates to 120-130 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 $0.22\mu m$ 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 Siglec-2, hFc Tag ELISA 0.05µg Human Siglec-2, hFc Tag Per Well



ELISA

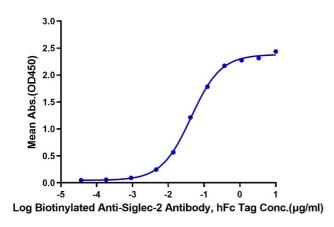
Image 1. Immobilized Human Siglec-2, hFc Tag at $0.5\,\mu$ g/mL (100 μ L/well) on the plate. Dose response curve for Biotinylated Anti-Siglec-2 Antibody, hFc Tag with the EC50 of 46.6 ng/mL determined by ELISA.

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Size-exclusion chromatography-High Pressure Liquid Chromatography

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

Human Siglec-2, hFc Tag ELISA 0.05µg Human Siglec-2, hFc Tag Per Well



ELISA

Image 3. Immobilized Human Siglec-2, hFc Tag at $0.5\,\mu$ g/mL (100 μ L/well) on the plate. Dose response curve for Biotinylated Anti-Siglec-2 Antibody, hFc Tag with the EC50 of 43.2 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7275595.