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# Datasheet for ABIN7275616 CD22 Protein (AA 22-702) (His tag)

2 Images



### Overview

Quantity:	100 µg
Target:	CD22
Protein Characteristics:	AA 22-702
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD22 protein is labelled with His tag.

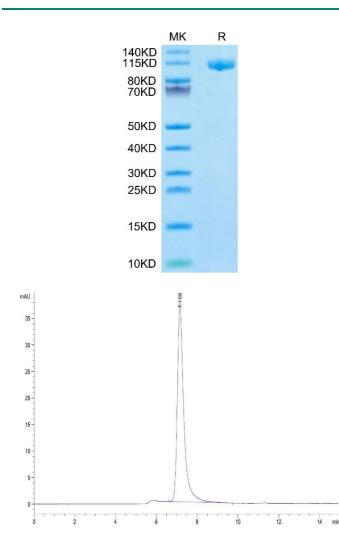
### Product Details

Purpose:	Mouse Siglec-2/CD22 Protein
Sequence:	Ser22-Arg702
Characteristics:	Recombinant Mouse Siglec-2/CD22 Protein is expressed from HEK293 with His tag at the C- Terminus.It contains Ser22-Arg702.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per $\mu g$ by the LAL method.
Target Details	

Target:	CD22
Alternative Name:	Siglec-2 (CD22 Products)

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Target Details	
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:	80.25 kDa. Due to glycosylation, the protein migrates to 110-115 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 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



### SDS-PAGE

**Image 1.** Mouse Siglec-2/CD22 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

## Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse Siglec-2/CD22 is greater than 95 % as determined by SEC-HPLC.

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