

Datasheet for ABIN7274195

CD58 Protein (CD58) (AA 29-215) (Fc Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD58
Protein Characteristics:	AA 29-215
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD58 protein is labelled with Fc Tag.

Product Details

Purpose:	Human CD58 Protein
Sequence:	Phe29-Arg215
Characteristics:	Recombinant Human CD58 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Phe29-Arg215.
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:	The affinity constant of 9.91 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

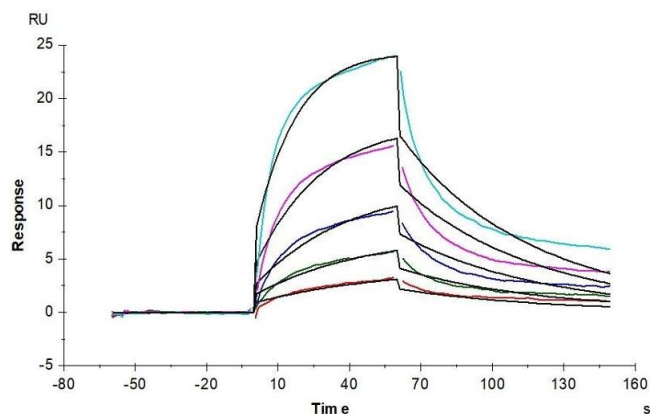
Target:	CD58
Alternative Name:	CD58 (CD58 Products)
Background:	<p>Loss of CD58 is a common mechanism for tumor immune evasion in lymphoid malignancies. CD58 loss is known to occur due to both genetic and non-genetic causes, therefore, we hypothesized that restoring CD58 expression in lymphoma cells may be an effective treatment approach. EZH2 is involved in the epigenetic silencing of CD58 in lymphoma cells as a mechanism for tumor immune escape, and EZH2 inhibitors are able to restore epigenetically suppressed CD58 expression.</p>
Molecular Weight:	48.1 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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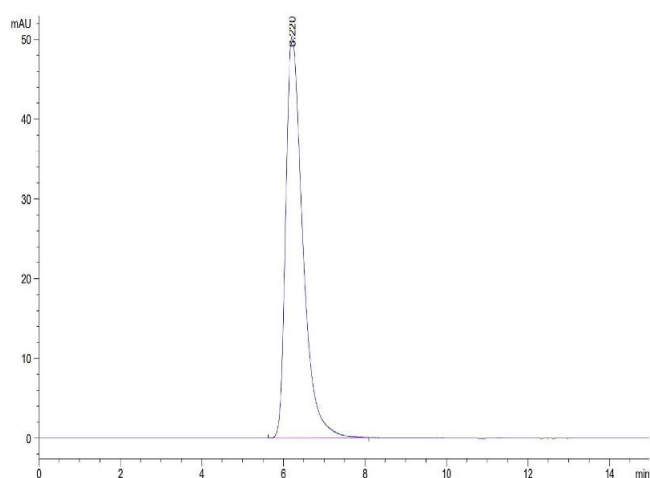
Handling

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



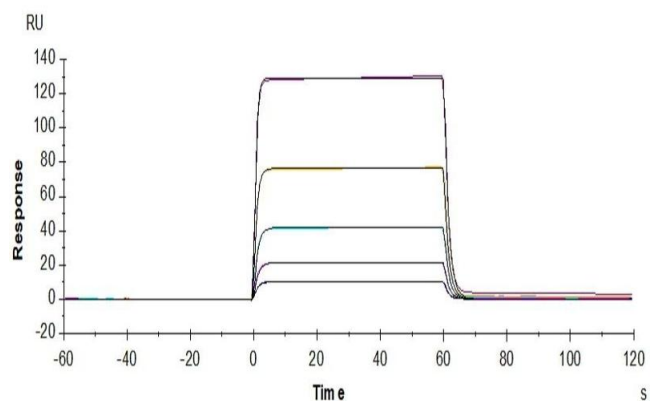
Surface Plasmon Resonance

Image 1. Human CD2, His Tag captured on CM5 Chip via anti-his antibody can bind Human CD58, hFc Tag with an affinity constant of 9.91 nM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD58 is greater than 95 % as determined by SEC-HPLC.



Surface Plasmon Resonance

Image 3. Human CD58, hFc Tag captured on CM5 Chip via Protein A can bind Human CD2, His Tag with an affinity constant of 440nM as determined in SPR assay (Biacore T200).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274195.