

Datasheet for ABIN7274273

**CD93 Protein (CD93) (AA 22-580) (His-Avi Tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CD93
Protein Characteristics:	AA 22-580
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD93 protein is labelled with His-Avi Tag,Biotin.

## Product Details

Purpose:	Biotinylated Human CD93/C1q R1 Protein
Sequence:	Thr22-Lys580
Characteristics:	Recombinant Biotinylated Human CD93/C1q R1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Thr22-Lys580.
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 0.17 µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	CD93
Alternative Name:	CD93 ( <a href="#">CD93 Products</a> )
Background:	CD93 has been shown critical roles in inflammatory and immune diseases. CD93 silencing increased IL-6 and TSLP, but not IL-33 levels in culture supernatants. HDM-induced asthma mice showed significant airway hyperresponsiveness and inflammation with Th2 cytokine activation, along with decreased CD93 expression in bronchial epithelial cells and lung homogenates but increased serum CD93 levels.
Molecular Weight:	61.2 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q9NPY3</a>

## Application Details

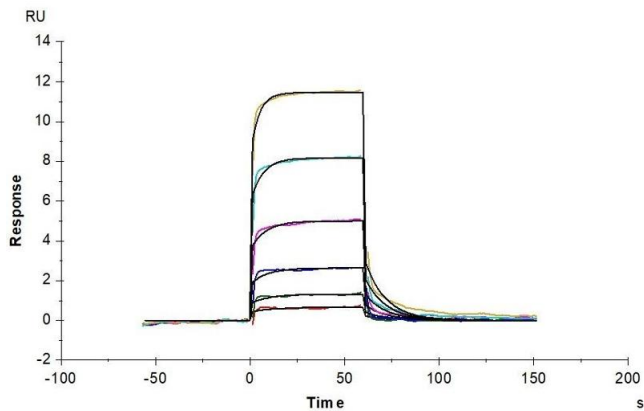
Restrictions:	For Research Use only
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## Handling

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

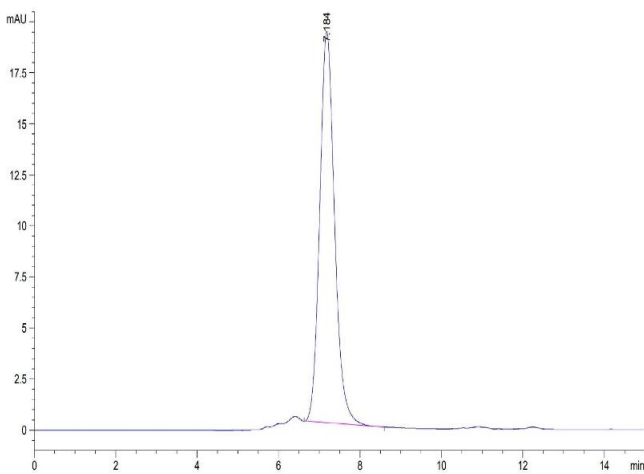
Surface Plasmon Resonance

**Image 1.** Biotinylated Human CD93, His-Avi Tag immobilized on CM5 Chip can bind Human IGFBP-7, His Tag with an affinity constant of 0.17  $\mu$ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Biotinylated Human CD93/C1q R1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 3.** Biotinylated Human CD93/C1q R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

