

Datasheet for ABIN6938925

**SIGLEC10 Protein (AA 17-546) (His tag,AVI tag,Biotin)**[Go to Product page](#)**2** Images

## Overview

Quantity:	200 µg
Target:	SIGLEC10
Protein Characteristics:	AA 17-546
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC10 protein is labelled with His tag,AVI tag,Biotin.

## Product Details

Sequence:	AA 17-546
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	SIGLEC10
Alternative Name:	Siglec-10 ( <a href="#">SIGLEC10 Products</a> )
Background:	The siglecs (sialic acid-binding Ig-like lectins) are a distinct subset of the Ig superfamily with adhesion-molecule-like structure. We describe here a novel member of the siglec protein family that shares a similar structure including five Ig-like domains, a transmembrane domain, and a

## Target Details

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cytoplasmic tail containing two ITIM-signaling motifs. Siglec-10 was identified through database mining of an asthmatic eosinophil EST library. The Siglec-10-VAP-1 interaction seems to mediate lymphocyte adhesion to endothelium and has the potential to modify the inflammatory microenvironment via the enzymatic end products.

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Molecular Weight: 61.8 kDa

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NCBI Accession: [NP\\_149121](#)

## Application Details

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**Comment:** Ready-to-use Avitag™ biotinylated protein:  
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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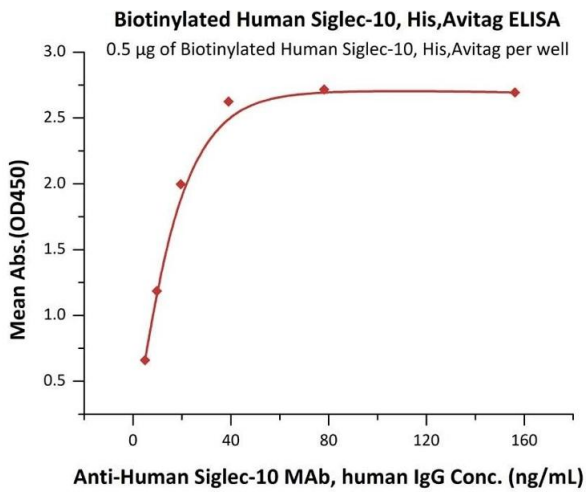
Buffer: PBS with Arginine, pH 7.4

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Handling Advice: Please avoid repeated freeze-thaw cycles.

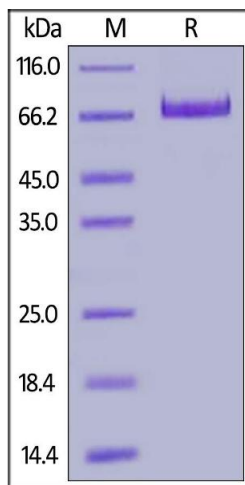
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Storage: -20 °C



### ELISA

**Image 1.** Immobilized Biotinylated Human Siglec-10, His,Avitag (ABIN6938925,ABIN6950971) at 5 µg/mL (100 µ L/well) on Streptavidin precoated (0.5 µg/well) plate, can bind A Siglec-10 MAb, human IgG with a linear range of 0.6-20 ng/mL (QC tested).



### SDS-PAGE

**Image 2.** Biotinylated Human Siglec-10, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 %.