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Datasheet for ABIN7319860
SIGLEC8 Protein (mFc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	SIGLEC8
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC8 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Human Siglec-8 (C-mFc)
Sequence:	Met17-Ala363
Characteristics:	Recombinant Human Sialic Acid-binding Ig-like Lectin 8 is produced by our Mammalian expression system and the target gene encoding Met17-Ala363 is expressed with a mFc tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SIGLEC8
Alternative Name:	Siglec-8 (SIGLEC8 Products)
Background:	Background: Siglec-8 is also known as SIGLEC8, SAF2, SIGLEC-8, SIGLEC8L and sialic acid binding Ig like lectin 8, is an approximately 75 kDa transmembrane glycoprotein in the Siglec

Target Details

family of sialic acid-binding immune regulatory molecules. Siglec-8 is expressed on eosinophils, basophils, and mast cells, and it shows a binding preference for the carbohydrate 6-O sulfated sLex. At the tissue level, Siglec-8 mRNA was found to be most highly expressed in lung, PBMCs, spleen, and kidney. Mature human Siglec-8 consists of a 347 amino acid (aa) extracellular domain (ECD) with three Ig-like domains, a 21 aa transmembrane segment, and a 115 aa cytoplasmic domain with two tyrosine based signaling motifs. Alternative splicing generates additional isoforms that either lack most of the second Ig-like domain or have a substituted cytoplasmic domain without the signaling motifs. Cross-linking of Siglec-8 inhibits Fc epsilon RI alpha induced mast cell degranulation. It also induces eosinophil apoptosis, an effect which is enhanced by the eosinophil-activating cytokines IL-5, IL-33, and GM-CSF.

Synonym: Siglec8, Siglec-8, SAF2, SAF2SAF-2, SAF-2, CD329 antigen, CDw329

Molecular Weight: 64.2 kDa

UniProt: [Q9NYZ4](#)

Application Details

Restrictions: For Research Use only

Handling

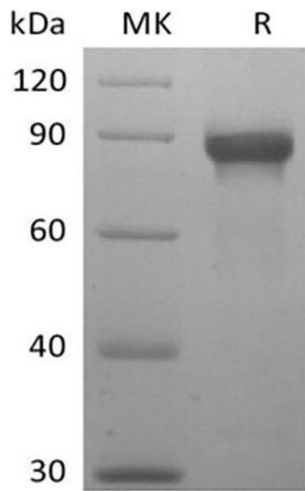
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.