

Datasheet for ABIN7320926
Siglec E Protein (Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	Siglec E (Siglece)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Siglec E protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse Siglec-E (C-Fc)
Sequence:	Gln20-Phe355
Characteristics:	Recombinant Mouse Sialic Acid Binding Ig-like Lectin E is produced by our Mammalian expression system and the target gene encoding Gln20-Phe355 is expressed with a Fc 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:	Siglec E (Siglece)
Alternative Name:	Siglec-E (Siglece Products)
Background:	Background: Siglecs are sialic acid specific I-type lectins that are characterized by an extracellular domain (ECD) with an N-terminal Ig-like V-set domain followed by varying numbers

Target Details

of Ig-like C2-set domains. Mouse Siglec-E, also known as Myeloid Inhibitory Siglec (MIS), is an 80 - 85 kDa member of the CD33-related subfamily of Siglecs. Rodent and primate Siglec gene families have significantly diverged, and Siglec-9 is the most likely human ortholog of mouse Siglec-E. Siglec-E is expressed as a heavily N-glycosylated disulfide-linked homodimer and shows binding preference for disialic acids in the alpha 2-8 linkage. Siglec-E is up-regulated and additionally phosphorylated following cellular stimulation by a variety of TLR agonists. Siglec-E signaling negatively regulates the LPS-induced production of TNF- alpha and IL-6 by macrophages. Its up-regulation in macrophages parallels the development of endotoxin tolerance. Siglec-E recognition of sialylated determinants on virulent T. cruzi contributes to the suppression of dendritic cell IL-12 p40 production.

Synonym: SiglecE, Siglec-E, Sialic Acid Binding Ig-like Lectin E

Molecular Weight: 64.4 kDa

UniProt: [Q6PJ50](#)

Application Details

Restrictions: For Research Use only

Handling

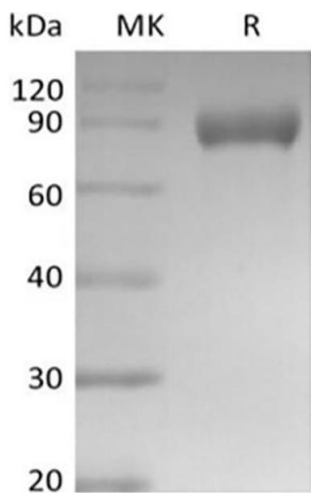
Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.5.

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.