

Datasheet for ABIN7321020
SIGLEC15 Protein (His tag)

2 Images

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	SIGLEC15
Origin:	Cynomolgus
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SIGLEC15 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Cynomolgus Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 (C-6His)
Sequence:	Phe20-Thr263
Characteristics:	Recombinant Cynomolgus Sialic Acid-binding Ig-like Lectin 15 is produced by our Mammalian expression system and the target gene encoding Phe20-Thr263 is expressed with a 6His 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.
Biological Activity Comment:	mmobilized Cynomolgus Siglec-15-His(Cat#PKSQ050096) at 2µg/ml (100 µl/well) can bind Anti-Human Siglec15 mAb. The ED50 of Anti-Human Siglec15 mAb is 125 ng/ml.

Target Details

Target:	SIGLEC15
---------	----------

Target Details

Alternative Name:	Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 (SIGLEC15 Products)
Background:	<p>Background: Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH₃⁺-terminus is in the extracellular space and the COO⁻-terminus is cytosolic. Each Siglec contains an N-terminal V-type immunoglobulin domain (Ig domain) which acts as the binding receptor for sialic acid. These lectins are placed into the group of I-type lectins because the lectin domain is an immunoglobulin fold. All Siglecs are extended from the cell surface by C2-type Ig domains which have no binding activity. Siglecs differ in the number of these C2-type domains. Human Siglec-15 consists of a 244 amino acid (aa) extracellular domain (ECD) with two Ig-like domains, a 21 aa transmembrane segment, and a 44 aa cytoplasmic domain. Siglec-15 function is important for osteoclast formation and TRANCE/RANK Ligand signaling in osteoclasts.</p> <p>Synonym: Angiopoietin-related protein 4, 425018-1, Angiopoietin-like protein 4, Fasting-induced adipose factor, Hepatic fibrinogen/angiopoietin-related protein, HFARP, Secreted protein Bk89, Angptl4, Farp, Fiaf, Ng27</p>

Molecular Weight:	27.1 kDa
-------------------	----------

UniProt:	A0A2K5UY47
----------	----------------------------

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

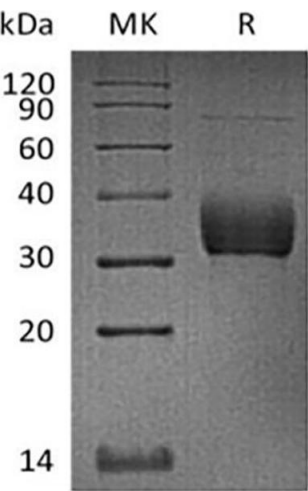
Format:	Lyophilized
---------	-------------

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

Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, 150 mMNaCl, 0.3 % Chaps, 5 % Trehalose, pH 7.4.
---------	---

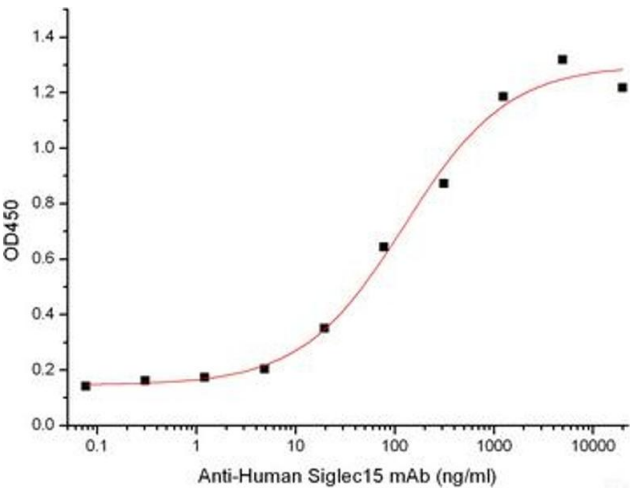
Storage:	4 °C,-20 °C,-80 °C
----------	--------------------

Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>
------------------	--



Western Blotting

Image 1.



ELISA

Image 2.