

Datasheet for ABIN7319766  
**SIGLEC15 Protein (mFc Tag)**

## 2 Images

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## Overview

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

## Product Details

|                              |   |
|------------------------------|---|
| Purpose:                     | Recombinant Human Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 (C-mFc)  |
| Sequence:                    | Phe19-Thr263  |
| Characteristics:             | Recombinant Human Sialic Acid-binding Ig-like Lectin 15 is produced by our Mammalian expression system and the target gene encoding Phe19-Thr263 is expressed with a mFc tag at the C-terminus. |
| Purity:                      | >90 % as determined by reducing SDS-PAGE.   |
| Endotoxin Level:             | < 1 IEU/µg as determined by LAL test.   |
| Biological Activity Comment: | Immobilized Human Siglec-15-mFc (Cat#CW59) at 2µg/ml (100 µl/well) can bind Anti-Human Siglec15 mAb. The ED50 of Anti-Human Siglec15 mAb is 23.2 ng/ml.   |

## Target Details

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

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | Sialic acid-binding Ig-like lectin 15/Siglec-15/CD33L3 ( <a href="#">SIGLEC15 Products</a> )  |
| Background:       | <p>Background: Human Siglec-15 is a transmembrane glycoprotein in the Siglec family. Siglecs are type I transmembrane proteins where the NH<sub>3</sub><sup>+</sup>-terminus is in the extracellular space and the COO<sup>-</sup>-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: | 52.1 kDa |
|-------------------|----------|

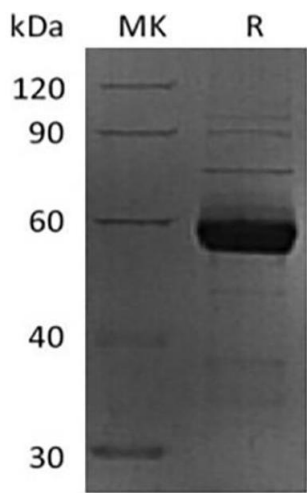
|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">Q6ZMC9</a> |
|----------|------------------------|

## Application Details

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

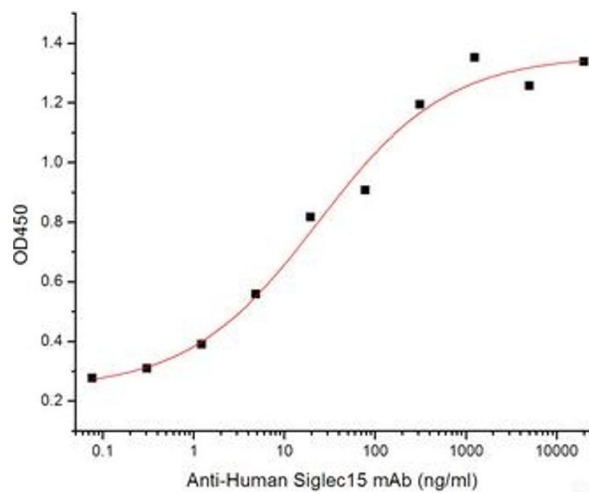
## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Reconstitution:  | Please refer to the printed manual for detailed information.  |
| Buffer:          | Lyophilized from a 0.2 µm filtered solution of PBS, 150 mM NaCl, 0.3 % Chaps, 5 % Trehalose, 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.



ELISA

Image 2.