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Datasheet for ABIN7466644  
**anti-SIGLEC12 antibody**

### Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µL   |
| Target:      | SIGLEC12   |
| Reactivity:  | Human  |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This SIGLEC12 antibody is un-conjugated  |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

### Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant protein encompassing a sequence within the center region of human SIGLEC12.<br>The exact sequence is proprietary. |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | Purified by antigen-affinity chromatography.  |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | SIGLEC12  |
| Alternative Name: | sialic acid binding Ig like lectin 12 (gene/pseudogene) ( <a href="#">SIGLEC12 Products</a> )   |
| Background:       | Sialic acid binding Ig like lectin 12 (gene/pseudogene) , S2V , SIGLECL1 , SLG , Siglec-XII,Sialic acid-binding immunoglobulin-like lectins (SIGLECs) are a family of cell surface proteins belonging to the immunoglobulin superfamily. They mediate protein-carbohydrate interactions |

## Target Details

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by selectively binding to different sialic acid moieties present on glycolipids and glycoproteins. This gene encodes a member of the SIGLEC3-like subfamily of SIGLECs. Members of this subfamily are characterized by an extracellular V-set immunoglobulin-like domain followed by two C2-set immunoglobulin-like domains, and the cytoplasmic tyrosine-based motifs ITIM and SLAM-like. The encoded protein, upon tyrosine phosphorylation, has been shown to recruit the Src homology 2 domain-containing protein-tyrosine phosphatases SHP1 and SHP2. It has been suggested that the protein is involved in the negative regulation of macrophage signaling by functioning as an inhibitory receptor. This gene is located in a cluster with other SIGLEC3-like genes on 19q13.4. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq]

|                   |                        |
|-------------------|------------------------|
| Molecular Weight: | 65 kDa                 |
| Gene ID:          | 89858                  |
| UniProt:          | <a href="#">Q96PQ1</a> |

## Application Details

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|                    |   |
|--------------------|---|
| Application Notes: | WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment:           | Positive Control: MCF-7   |
| Restrictions:      | For Research Use only   |

## Handling

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|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 0.99 mg/mL   |
| Buffer:            | 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal  |
| Preservative:      | Thimerosal (Merthiolate)   |
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:           | 4 °C, -20 °C   |
| Storage Comment:   | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |