

## Anti-Siglec-5 Antibody (8A125)

## Product Details

|               |              |
|---------------|--------------|
| Ig Type:      | Mouse IgG1   |
| Reactivity:   | Human        |
| Conjugation:  | Unconjugated |
| Clone:        | 8A125        |
| Purification: | Protein A    |

## Applications

|                    |  |
|--------------------|--|
| Verified Activity: | Flow cytometric analysis of Human SIGLEC5(CD170) expression on human whole blood granulocytes. Cells were stained with purified anti-Human SIGLEC5(CD170), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable granulocytes. |
| Application:       | FCM  |
| Recommended        | FCM: 1:25-1:100  |

## Properties

|                      |  |
|----------------------|--|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. |
| Shipping:            | Shipping with blue ice.  |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | Recombinant Protein: Human SIGLEC5 Protein (TMPY-03549)                              |
| Antigen Species: | Human  |
| Synonyms:        | OBBP;CD170;CD33L2;SIGLEC-5;OBBP2;OB-BP2;SIGLEC5;sialic acid binding Ig like lectin 5 |
| Biology Area:    | ITIM/ITAM Immunoreceptors and Related Molecules                                      |

## Research Background

SIGLEC5 contains 2 Ig-like C2-type (immunoglobulin-like) domains and 1 Ig-like V-type (immunoglobulin-like) domain. It belongs to the immunoglobulin superfamily and SIGLEC (sialic acid binding Ig-like lectin) family. SIGLEC5 is expressed by monocytic/myeloid lineage cells. It is found at high levels in peripheral blood leukocytes, spleen, bone marrow and at lower levels in lymph node, lung, appendix, placenta, pancreas and thymus. It is also expressed by monocytes and neutrophils but absent from leukemic cell lines representing early stages of myelomonocytic differentiation. SIGLEC5 is a putative adhesion molecule that mediates sialic-acid dependent binding to cells. It binds equally to alpha-2,3-linked and alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.

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