

### 30-2868-AC: APC Conjugated Anti-Human SIGLEC10 Mab (Clone: 5G6 )

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | 5G6   |
| <b>Application :</b>           | FACS  |
| <b>Reactivity :</b>            | Human   |
| <b>Conjugate :</b>             | APC   |
| <b>Gene :</b>                  | SIGLEC10  |
| <b>Gene ID :</b>               | 89790   |
| <b>Uniprot ID :</b>            | Q96LC7  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | PRO940, SGL2, sialic acid binding Ig like lectin 10             |
| <b>Isotype :</b>               | Mouse IgG1  |
| <b>Immunogen Information :</b> | SIGLEC10 extracellular domain fused with human IgG1 Fc fragment |

#### Description

**Specificity :** The mouse monoclonal antibody 5G6 recognizes an extracellular epitope of human SIGLEC10, a sialic acid-binding lectin expressed on subsets of human leucocytes.

SIGLEC10 is a CD33-related receptor of sialoglycans, expressed on eosinophils, monocytes, a subpopulation of NK cells, and at lower level on B cells. Its murine ortholog is Siglec G. SIGLEC10 seems to act as an immunomodulatory receptor, which binds to VAP-1, a glycoprotein expressed on endothelium under inflammatory conditions. Another ligand of SIGLEC10 is CD24, a marker of poorer prognosis in carcinomas.

#### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 100 Tests  |
| <b>Purification :</b>      | urified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| <b>Content :</b>           | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide  |
| <b>Storage condition :</b> | Store at 2-8°C. Do not freeze. Avoid exposure to light.  |

#### Application Note

**Flow cytometry:** The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

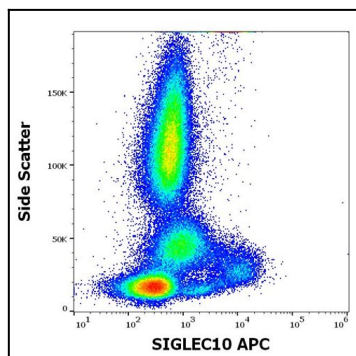


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human SIGLEC10 (5G6) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

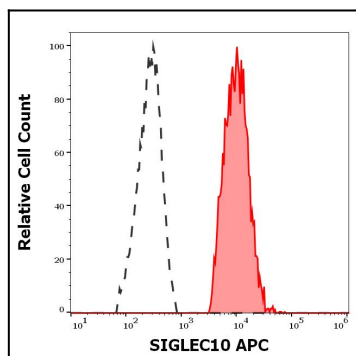


Figure 2: Separation of human SIGLEC10 positive non-classical monocytes (red-filled) from SIGLEC10 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human SIGLEC10 (5G6) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).