

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

Clonality :	Monoclonal
Clone Name :	5G6
Application :	FACS
Reactivity :	Human
Conjugate :	APC
Gene :	SIGLEC10
Gene ID :	89790
Uniprot ID :	Q96LC7
Format :	Purified
Alternative Name :	PRO940, SGL2, sialic acid binding Ig like lectin 10
Isotype :	Mouse IgG1
Immunogen Information :	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

Amount :	100 Tests
Purification :	urified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	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 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

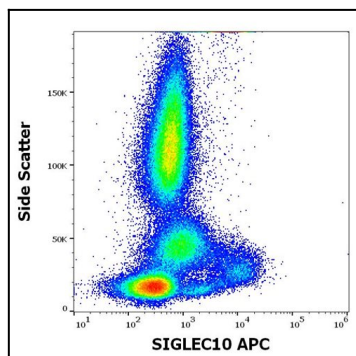


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human SIGLEC10 (5G6) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).

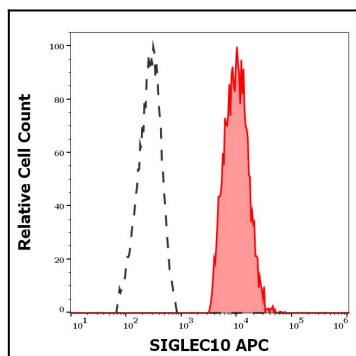


Figure 2: Separation of human SIGLEC10 positive non-classical monocytes (red-filled) from SIGLEC10 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human SIGLEC10 (5G6) APC antibody (10 μ l reagent / 100 μ l of peripheral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