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

Clonality :	Monoclonal
Clone Name :	5G6
Application :	FACS
Reactivity :	Human
Conjugate :	PE
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 :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. 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.

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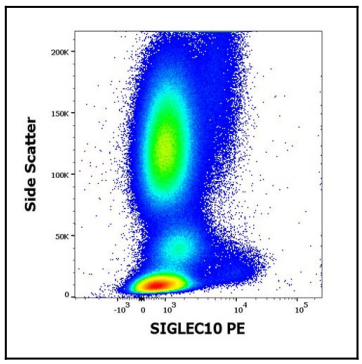


Figure 1: Analysis of the antibody staining profile was performed on blood leukocytes isolated from buffy coats. HCDM CDMaps standardized procedures (Kuzilkova D et al. Front Immunol. 2022;13:827898) were used for cell isolation and surface staining of blood leukocytes, with the modification of staining protocol using cytometry test tubes. Mouse monoclonal anti-human SIGLEC10 PE antibody (clone 5G6) was used in amount of 10 µl in 100 µl of blood sample (2 x 106 cells).

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