

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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 μ l reagent / 100 μ l of whole blood or 106 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

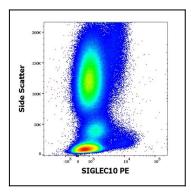


Figure 1: Analysis of the antibody staining profile was performed on blood leukocytes isolated from buffy coats. HCDM CDMaps standardized procedures (Kuzilkova D et al. Front Immunol. 2022;13:827898) were used for cell isolation and surface staining of blood leukocytes, with the modification of staining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