PE-Labeled Human Siglec-10 Protein, His Tag (recommended for neutralizing assay) (Site-specific conjugation)

Catalog # SI0-HP2E5

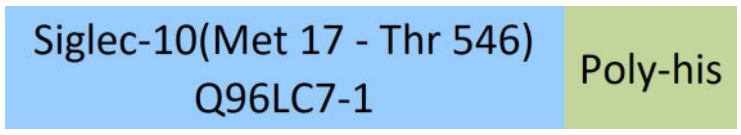
Synonym

SIGLEC10,MGC126774,PRO940,Siglec10,SLG2

Source

PE-Labeled Human Siglec-10, His Tag (SI0-HP2E5) is produced via site-specific conjugation of PE to Human Siglec-10, His Tag under optimal conditions with a proprietary technology with a proprietary technology. Human Siglec-10, His Tag is expressed from human 293 cells (HEK293). It contains AA Met 17 - Thr 546 (Accession # Q96LC7-1).
Predicted N-terminus: Met 17

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 61.8 kDa.

Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

Application

Flow Cytometry (Neutralizing assay), Please note that this product is NOT compatible to streptavidin detection system.
Designed and validated to use together with CD24 overexpressing HEK293 cells.
Not suitable to use together with overexpressing CHO cells for high non-specific background from proteins of high sialylation.
Not recommended and validated to use together with tumor cells.

Formulation

Supplied as 0.2 μm filtered solution in PBS with Arginine, pH7.4.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

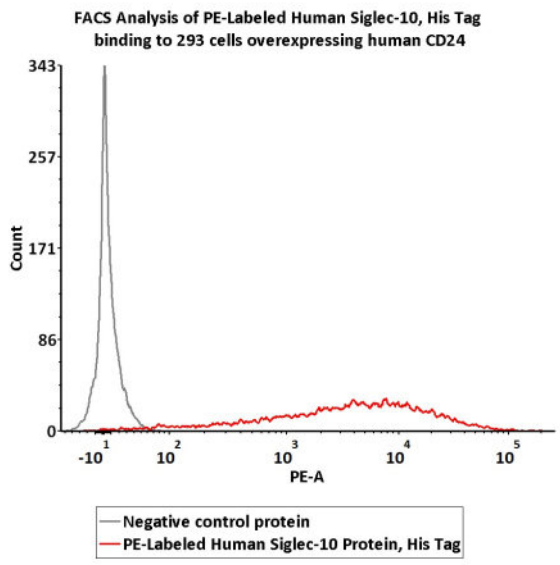
Storage

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

Bioactivity-FACS



2e5 of 293 cells overexpressing human CD24 were stained with 100μL of 1:10 dilution of PE-Labeled Human Siglec-10 Protein, His Tag(recommended for neutralizing assay)(Cat. No. SI0-HP2E5)and negative control protein respectively , washed and analyzed with FACS (QC tested).

Background

The siglecs (sialic acid-binding Ig-like lectins) are a distinct subset of the Ig superfamily with adhesion-molecule-like structure. We describe here a novel member of the siglec protein family that shares a similar structure including five Ig-like domains, a transmembrane domain, and a cytoplasmic tail containing two ITIM-signaling motifs. Siglec-10 was identified through database mining of an asthmatic eosinophil EST library. The Siglec-10-VAP-1 interaction seems to mediate lymphocyte adhesion to endothelium and has the potential to modify the inflammatory microenvironment via the enzymatic end products.