ARG42431
anti-CD170 / Siglec 5 antibody [1A5] (PE)

Package: 50 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [1A5] recognizes CD170 / Siglec 5
Tested Reactivity	Hu, NHuPrm
Tested Application	FACS
Specificity	The mouse monoclonal antibody 1A5 recognizes an extracellular epitope of CD170 (Siglec-5, sialic acid binding Ig-like lectin 5), a transmembrane glycoprotein expressed strongly by neutrophils, macrophages activated during infections, monocytes, and dendritic cells. As in case with other anti-CD170 antibodies, this antibody crossreacts with Siglec-14, whose first two Ig domains are almost identical to those of CD170.
Host	Mouse
Clonality	Monoclonal
Clone	1A5
Isotype	IgG1
Target Name	CD170 / Siglec 5
Species	Human
Immunogen	Fusion protein composed of Human CD170 extracellular domain and Fc region of Human IgG1.
Conjugation	PE
Alternate Names	OBBP2; OB-binding protein 2; CD170; Sialic acid-binding Ig-like lectin 5; SIGLEC-5; CD antigen CD170; CD33 antigen-like 2; OB-BP2; CD33L2; Siglec-5; Obesity-binding protein 2

Application Instructions

Application table

Application	Dilution
FACS	10 µl / 100 µl of whole blood or 10^6 cells

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

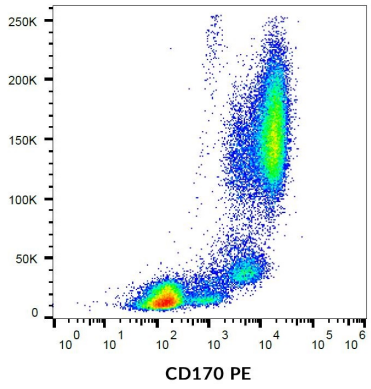
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SIGLEC5
Gene Full Name	sialic acid binding Ig-like lectin 5
Background	This gene encodes a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. These cell surface lectins are characterized by structural motifs in the immunoglobulin (Ig)-like domains and sialic acid recognition sites in the first Ig V set domain. The encoded protein is a member of the CD33-related subset of Siglecs and inhibits the activation of several cell types including monocytes, macrophages and neutrophils. Binding of group B Streptococcus (GBS) to the encoded protein plays a role in GBS immune evasion. [provided by RefSeq, Feb 2012]
Function	Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. [UniProt]
Calculated Mw	61 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG42431 anti-CD170 / Siglec 5 antibody [1A5] (PE) FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG42431 anti-CD170 / Siglec 5 antibody [1A5] (PE).