

30-2636: Anti-Human CD170 Antibody (Clone : 1A5)

Clonality :	Monoclonal
Clone Name :	1A5
Application :	FACS , IP, IHC(F), ICC, ELISA
Reactivity :	Human
Gene :	SIGLEC5
Gene ID :	8778
Format :	Purified
Alternative Name :	OBBP2, OB-BP2, SIGLEC-5, SIGLEC5, sialic acid binding Ig like lectin 5
Isotype :	Mouse IgG1
Immunogen Information :	Fusion protein composed of human CD170 extracellular domain and Fc region of human IgG1

Description

CD170, also known as Siglec 5 (sialic acid binding Ig-like lectin 5) is a type 1 transmembrane glycoprotein containing two cytoplasmic immunoreceptor tyrosine inhibitory motifs (ITIMs). CD170 forms homodimers and functions as an inhibitory receptor able to downregulate cell activation. It binds to alpha2,3- and alpha2,6-linked sialic acid ligands, e.g. on glycoprotein A (CD235a). Aberrant expression of CD170 by CD34+ progenitor cells can be observed in case of acute myeloid leukemias. 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.

Product Info

Amount :	0.1 mg
Purification :	Purified from cell culture supernatant by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

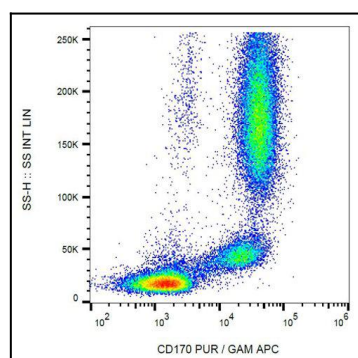


Figure 1 : Flow cytometry (surface staining) of human peripheral blood cells using anti-CD170 (1A5) purified, GAM-APC.