

## Anti-Hu CD170 Purified SIGLEC5 Monoclonal Antibody

Catalog Number: M06510

### About SIGLEC5

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 glycoporphin A (CD235a). Aberrant expression of CD170 by CD34+ progenitor cells can be observed in case of acute myeloid leukemias.

### Overview

Product Name	Anti-Hu CD170 Purified SIGLEC5 Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD170 Purified SIGLEC5 Monoclonal Antibody (Catalog# M06510). Tested in Flow Cytometry, IP, IHC-F, ICC, ELISA application(s). This antibody reacts with Primate, Human.
Application	ELISA, Flow Cytometry, IP, IHC-F, ICC
Clonality	Monoclonal 1A5
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	O15389

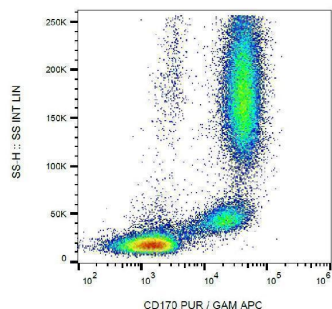
### Technical Details

Immunogen	Fusion protein composed of human CD170 extracellular domain and Fc region of human IgG1. 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.
Predicted Reactive Species	Primate
Cross Reactivity	As in case with other anti-CD170 antibodies, this antibody cross-reacts with Siglec-14, whose first two Ig domains are almost identical to those of CD170.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

Suggested Dilutions

Flow cytometry: 1-4 ug/ml.  
Immunohistochemistry: 5-10 ug/ml.

## Anti-Hu CD170 Purified SIGLEC5 Monoclonal Antibody (M06510) Images



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

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