

Product datasheet

anti-CD33/SIGLEC3 mouse monoclonal, 33-20, purified

Short overview

Cat. No.	691576
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	33-20
Immunogen	Stimulated human AML cells
Formulation	PBS with 0.02% sodium azide
UniprotID	P20138 (Human)
Synonym	Myeloid cell surface antigen CD33, Sialic acid-binding Ig-like lectin 3, Siglec-3, gp67, CD antigen CD33, CD33, SIGLEC3
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

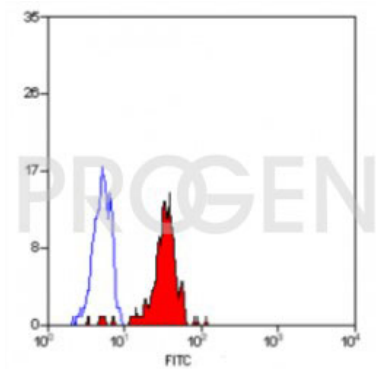
Flow Cytometry (FACS)	1-2 µg/million cells
Immunocytochemistry (ICC)	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

CD33 is a 67 kDa glycoprotein of the sialic acid-binding immunoglobulin-like lectin (SIGLEC) family, displaying the immune-receptor tyrosine-based inhibitory motif (ITIM), able of recruiting protein tyrosine phosphatases SHP-1 and SHP-2 to signal assemblies. ITIMs are also used for ubiquitin-mediated removal of the receptor from the cell surface. CD33 is expressed on cells of myelomonocytic lineage, binds sialic acid residues in N- and O-glycans on cell surfaces, and is a therapeutic target for acute myeloid leukemia. CD33 is expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells. It is absent on platelets, lymphocytes, erythrocytes and hematopoietic stem cells.

Positive control: human dendritic and mast cells. Human lymph node and tonsil.

Product images



FACS with human peripheral blood lymphocytes (PBL)