

Mouse anti-CD33/SIGLE3, clone EBS-CD-022 (Monoclonal)

Clone no. EBS-CD-022

MONOSAN

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Product name	Mouse anti-CD33/SIGLE3, clone EBS-CD-022 (Monoclonal)
Host	Mouse
Applications	FC, IHC-fr, IF
Species reactivity	human
Conjugate	-
Immunogen	stimulated human AML cells
Isotype	IgG1-K
Clonality	Monoclonal
Clone number	EBS-CD-022
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

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 ubiquitinmediated 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.

**References**

1. Knapp W. Leukocyte Typing IV, Oxford Univ. Press, (1989)
2. Favaloro EJ et al, Dis Markers 5(4): 215-25 (1987)
3. Favaloro EJ et al, Br J Haematol 69(2): 163-71 (1988).
4. -
5. -

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