Monoclonal Antibody to CD65
Purified Antibody (0.1 mg)

Clone: VIM8
Isotype: Mouse IgM
Specificity: The mouse monoclonal antibody VIM8 recognizes human CD65, an asialo-fucoganglioside expressed on peripheral blood granulocytes (highly) and monocytes (weakly).
- HLDA II; WS Code M 27
- HLDA III; WS Code M 261
- HLDA IV; WS Code M 23
- HLDA V; WS Code MA095, MA096
- HLDA VI; WS Code MR12

Regulatory Status: RUO
Immunogen: THP-1 cell line
Species Reactivity: Human
Application: Flow Cytometry
Purity: > 95% (by SDS-PAGE)
Purification: Purified by protein-A affinity chromatography
Concentration: 1 mg/ml
Storage Buffer: Tris buffered saline (TBS) with 15 mM sodium azide, approx. pH 8.0
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration: See vial label
Lot Number: See vial label

Background: CD65 is a fucosylated carbohydrate antigen (ceramide-dodecasaccharide, type II fucoganglioside), which serves as a ligand for CD62E (E-selectin). Its structure is Gal beta1-4 GlcNAc beta1-3 Gal beta1-4 GlcNAc (3-1 Fuc alpha) beta1-3 ceramide. Unlike CD65s, the CD65 antigen does not contain terminal sialic acid, the rest of their structure is identical. CD65 is expressed on granulocytes and monocytes and participates in cell adhesion. It has been reported as important for extravascular infiltration of acute monocytic leukemia cells.

References:

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