



11-793-C025

Monoclonal Antibody to CD65 Purified Antibody (0.025 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:	*Paietta E, Neuberger D, Bennett JM, Dewald G, Rowe JM, Cassileth PA, Cripe L, Tallman MS, Wiernik PH and the Eastern Cooperative Oncology Group: Low expression of the myeloid differentiation antigen CD65s, a feature of poorly differentiated AML in older adults: study of 711 patients enrolled in ECOG trials. <i>Leukemia</i> . 2003 Aug;17(8):1544-50. *Kniep B, Peter-Katalinic J, Müthing J, Majdic O, Pickl WF, Knapp W: The CDw65 monoclonal antibodies VIM-8 and VIM-11 bind to the neutral glycolipid V3FucnLc8Cer. <i>J Biochem</i> . 1996 Mar;119(3):456-62.

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