



1F-793-T025

Monoclonal Antibody to CD65 Fluorescein (FITC) conjugated (25 tests)

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
Preparation:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing Tris buffered saline (TBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.1 ml) is sufficient for 25 tests.
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, Neuberg 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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Antibodies

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