

CD65s Monoclonal Antibody (VIM-2), FITC

Catalog NumberMA5-16968

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µg	Flow Cytometry (Flow)	Neat-1:10
Host/Isotope	Mouse / IgM	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Class	Monoclonal		
Type	Antibody		
Clone	VIM-2		
Immunogen	THP1 (human acute monocytic leukaemia cells)		
Conjugate	FITC		
Form	Liquid		
Concentration	0.1 mg/mL		
Storage Conditions	4°C or -20°C if preferred, store in dark		

Product specific information

For FACS analysis, use 10 µL of the suggested working dilution to label 1x10^6 cells in 100 µL. Mouse anti Human CD65s antibody, clone VIM-2 selectively recognizes the sialylated form of human CD65, known as CD65s (VIM-2 antigen), a leucocyte carbohydrate antigen expressed by granulocytes, monocytes and leukaemic cells of myelomonocytic lineage.

Background/Target Information

This type 2 fucosylated carbohydrate antigen is expressed on the surface of all myeloid cells during development. Moreover, CD65 is expressed highly on granulocytes and weakly on monocytes in peripheral blood. CD65 has been reported to be a ligand for CD62E (E-Selectin). However, the sialylated form of CD65 (designated CD65s) can be used as a marker for acute myeloid leukemia (AML) as its expression increases as CD34 decreases. Finally, CD65 is important for extravascular infiltration of AML cells.

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