

Mouse anti-Human CD65 Monoclonal Antibody | anti-CD65 antibody

Anti-Hu CD65 PE

CATALOG # AAA129155	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
-------------------------------	----------------------	----------------------------	---

PRODUCT SYNONYMS

CD65; Monoclonal Antibody; Anti-Hu CD65 PE; ceramide-dodecasaccharide; type II fucoganglioside; anti-CD65 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgM
Clone Number	VIM8
Specificity	The mouse monoclonal antibody VIM8 recognizes human CD65, an asialo-fucoganglioside expressed on the surface of peripheral blood granulocytes (highly) and monocytes (weakly).
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide
Applicable Applications for anti-CD65 antibody	FCM/FACS (Flow Cytometry)
Conjugation	PE
Immunogen	THP-1 cell line
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

ADDITIONAL INFORMATION

Related Product Information for anti-CD65 antibody	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	*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. J Biochem. 1996 Mar;119(3):456-62., URL: <a 12886241"="" href="http://www.ncbi.nlm.nih.gov/pubmed/term=kniep+b+p,*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. Leukemia. 2003 Aug;17(8):1544-50., URL: http://www.ncbi.nlm.nih.gov/pubmed/12886241

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

