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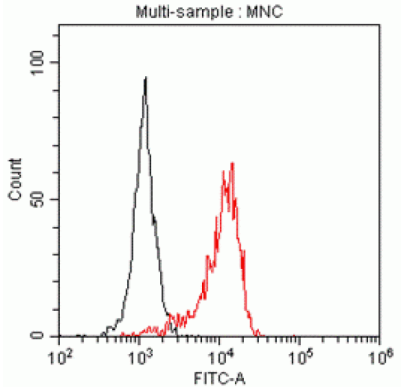
FCGR1A
Mouse Anti-Human CD64 (Clone B-T44) mAb

Catalog No.	CDM555	**Quantity:**	200 tests
Alternate Names:	High affinity immunoglobulin gamma Fc receptor I, IgG Fc receptor I, Fc-gamma RI, FcRI, Fc-gamma RIA, FcgammaRIa, CD64		
Description:	High affinity immunoglobulin gamma Fc receptor I (CD64) is an integral membrane glycoprotein and a member of the immunoglobulin superfamily. CD64 is a high affinity receptor for the Fc region of IgG gamma and functions in both innate and adaptive immune responses. Receptors that recognize the Fc portion of IgG function in the regulation of immune response and are divided into three classes designated CD64, CD32, and CD16. CD64 is structurally composed of a signal peptide that allows its transport to the surface of a cell, three extracellularimmunoglobulin domainsof the C2-type that it uses to bind antibody, a hydrophobic transmembrane domain, and a short cytoplasmic tail. CD64 is constitutively found on only macrophages and monocytes, but treatment of polymorphonuclear leukocytes with cytokines such as IFNγ and G-CSF can induce CD64 expression on these cells.		
UniProt ID:	P12314		
Volume:	2.0 ml		
Hybridoma:	Myeloma X63/AG.8653 x Balb/c lymph node cells		
Specificity:	Recognizes native and recombinant human CD64		
Isotype:	Mouse IgG2b kappa		
Immunogen:	Recombinant human CD64		
Clone:	B-T44		
Formulation:	Phosphate-buffered saline with 1% BSA and 0.09% sodium azide		
Applications:	**Flow cytometry:** Use 10 µl to label 106 cells or 100 µl of whole blood		
Storage & Stability:	Stable at 2-8°C for 12 months. **DO NOT FREEZE.**		

A typical staining pattern of monocytes with the B-T44 monoclonal antibody



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