

## FCGR3A

### Mouse Anti-Human CD16 (Clone 3G8) mAb, FITC

<b>Catalog No.</b>	MON1187F	<b>Quantity:</b>	0.5 ml
<b>Alternate Names:</b>	Low affinity immunoglobulin gamma Fc region receptor III-A, Fc-gamma RIII-alpha, FcRIIIa, CD16a		
<b>Description:</b>	<p>CD16 (FCGR3A) is a 50-65 kDa cell surface molecule that exists in two forms - a transmembranous form expressed by NK cells and some T cells, and a phosphatidylinositol linked form expressed by granulocytes. CD16 is a low affinity receptor for IgG (FcR III), and is an important receptor mediating ADCC by NK cells. Human CD16 is expressed in two forms, encoded by nearly identical genes, FCGR3A and FCGR3B, in a tissue-specific manner. FCGR3A is associated with the Fc epsilon RI-gamma subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell FCGR3A is associated, with Fc epsilon RI-beta subunit. Besides IgG, FCGR3A can be triggered also by oligomeric IgE. FCGR3B is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a pro adhesive phenotype. Diseases associated with CD16 dysfunction include immunodeficiency and systemic lupus erythematosus.</p>		
<b>Concentration:</b>	0.2 mg/ml		
<b>UniProt ID:</b>	P08637		
<b>Gene ID:</b>	2214		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Human CD16		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	3G8		
<b>Conjugate:</b>	FITC		
<b>Formulation:</b>	PBS containing 0.4% BSA and 0.1% sodium azide		
<b>Applications:</b>	Flow cytometry		
<b>Storage &amp; Stability:</b>	Store in the dark at 2-8°C until expiration date.		

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