

### 43-1037: Monoclonal Antibody to Human CD16 NALE™ Purified (Clone: 3G8)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	3G8
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	FCGR3A
<b>Gene ID :</b>	2214
<b>Uniprot ID :</b>	P08637
<b>Alternative Name :</b>	CD16A, FCG3, FCGR3, IGFR3, CD16a antigen, Fc-gamma RIII-alpha, FcR-10, IgG Fc receptor III-2
<b>Isotype :</b>	Mouse IgG1, kappa

#### Description

The 3G8 monoclonal antibody specifically reacts with human CD16, the low affinity IgG receptor III (FC gamma RIII). CD16 is expressed on granulocytes, monocytes, macrophages, and NK cells and plays a role in NK activation and signal transduction. CD16 is expressed as either CD16a or CD16b. CD16a is a polypeptide-anchored transmembrane protein and CD16b is a glycosylphosphatidylinositol (GPI)-anchored protein that is expressed exclusively on neutrophils.

#### Product Info

<b>Amount :</b>	100ug / 500 µg
<b>Content :</b>	1mg/ml in Phosphate-buffered aqueous solution, pH7.2
<b>Storage condition :</b>	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography.

#### Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.