

### 43-1036: Monoclonal Antibody to Human CD16 NALE™ Purified (Clone: CB16)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CB16
<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

#### Description

This monoclonal antibody specifically binds to human CD16, a low affinity Fc receptor. It is expressed on NK, neutrophils, macrophages, monocytes, and placental trophoblasts. CD16 is expressed in CD16a and CD16b forms. CD16a is a polypeptide anchored transmembrane protein and CD16b is a monomeric glycosylphosphatidylinositol (GPI)-anchored protein found in neutrophils. CD16 is reported to be involved in NK cell activation and signal transduction.

#### Product Info

<b>Amount :</b>	500 µg
<b>Content :</b>	1 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
<b>Storage condition :</b>	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

#### 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.