

Datasheet for ABIN135754

anti-CD16 antibody**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD16
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD16 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Mononuclear cells from a prolymphocytic B-leukemia
Clone:	GRM1
Isotype:	IgG2a
Specificity:	Human CD16, Mr 50-65 kDa
Characteristics:	Mouse Anti-Human CD16-UNLB
Purification:	Purified

Target Details

Target:	CD16
Alternative Name:	CD16 (CD16 Products)
Background:	CD16, a member of the immunoglobulin superfamily, is a 50-65 kDa glycoprotein found as both

Target Details

a transmembrane and GPI-linked form. The transmembrane form of CD16 is expressed on NK cells, granulocytes, macrophages, and mast cells but not on eosinophils. The GPI-anchored type of CD16 is found only on neutrophils. CD16 is involved in NK activation and signal transduction.

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IP - Reported in literature , WB - Reported in literature , ELISA - Reported in literature , CMCD - Reported in literature
- **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, PE, SPRD, AF488, AF647, and AF700 conjugates 10 L/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

Concentration: 0.1 mg/mL

Buffer: 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

Preservative: Without preservative

Handling Advice: Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: 4 °C

Storage Comment: Store at 2-8°C

Publications

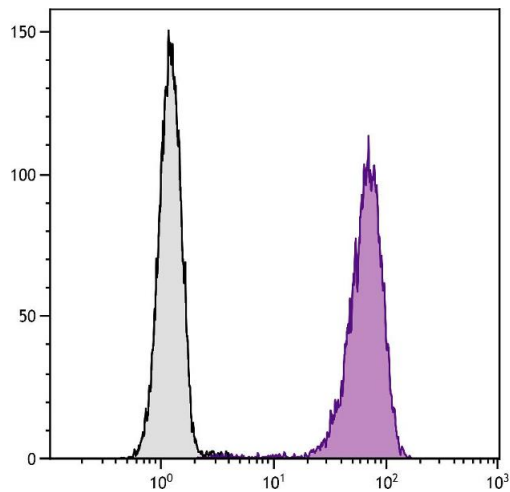
Product cited in: Molina-Ruiz, Cerroni, Kutzner, Requena: "Immunohistochemistry in the diagnosis of cutaneous bacterial infections." in: **The American Journal of dermatopathology**, Vol. 37, Issue 3, pp. 179-93; quiz 194-6, (2015) ([PubMed](#)).

Alpers, Hudkins, Ferguson, Johnson, Schattelman, Bothwell: "Nerve growth factor receptor expression in fetal, mature, and diseased human kidneys." in: **Laboratory investigation; a journal of technical methods and pathology**, Vol. 69, Issue 6, pp. 703-13, (1994) ([PubMed](#)).

Schatteman, Gibbs, Lanahan, Claude, Bothwell: "Expression of NGF receptor in the developing and adult primate central nervous system." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 8, Issue 3, pp. 860-73, (1988) ([PubMed](#)).

Marano, Dietzschold, Earley, Schatteman, Thompson, Grob, Ross, Bothwell, Atkinson, Koprowski: "Purification and amino terminal sequencing of human melanoma nerve growth factor receptor." in: **Journal of neurochemistry**, Vol. 48, Issue 1, pp. 225-32, (1987) ([PubMed](#)).

Validation report #101185 for Enzyme Immunoassay (EIA)



Flow Cytometry

Image 1. Human peripheral blood granulocytes were stained with Mouse Anti-Human CD16-AF488.