

Purified anti-human CD16 Recombinant Antibody

Catalog# / Size	325902 / 100 µg
Clone	QA18A13
Regulatory Status	RUO
Other Names	FcγRIII, Fc gamma receptor, Fc gamma receptor 3
Isotype	Mouse IgG1, κ
Description	CD16 is known as low affinity IgG receptor III (FcγRIII). It is expressed as two distinct forms (CD16a and CD16b). CD16a (FcγRIIIA) is a 50-65 kD polypeptide-anchored transmembrane protein. It is expressed on the surface of NK cells, activated monocytes, macrophages, and placental trophoblasts in humans. CD16b (FcγRIIIB) is a 48 kD glycosylphosphatidylinositol (GPI)-anchored protein. Its extracellular domain is over 95% homologous to that of CD16a, and it is expressed specifically on neutrophils. CD16 binds aggregated IgG or IgG-antigen complex which functions in NK cell activation, phagocytosis, and antibody-dependent cell-mediated cytotoxicity (ADCC).

Product Details

Verified Reactivity	Human
Antibody Type	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
RRID	AB_2892392 (BioLegend Cat. No. 325902)

Antigen Details

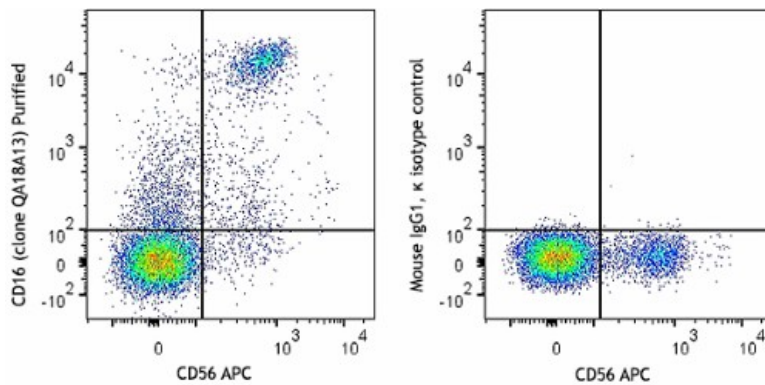
Structure	Ig superfamily, transmembrane form (50-65 kD) or GPI-linked form (48 kD)
Function	Low affinity IgG Fc receptor, phagocytosis, ADCC
Ligand/Receptor	Aggregated IgG, IgG-antigen complex
Antigen References	1. Rataj, <i>et al.</i> 2019. <i>Br J Cancer</i> . 120:79-87.
Gene ID	2214

Related Protocols

Other Formats

Purified anti-human CD16 Recombinant Antibody, PE anti-human CD16 Recombinant Antibody

Product Data



Human peripheral blood lymphocytes were stained with CD56 APC and CD16 recombinant (clone QA18A13) purified (left) or mouse IgG1, κ purified isotype control (right) followed by anti-mouse IgG PE secondary antibody.

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