

APC/Fire™ 810 anti-mouse CD163 Antibody

Catalog# / Size	155321 / 25 µg
Clone	S15049I
Regulatory Status	RUO
Other Names	M130, MM130, SCAR11
Isotype	Rat IgG2a, κ
Description	CD163 is a member of the group B scavenger receptor cysteine-rich superfamily, also known as GHI/61, M130, RM3/1, p155, hemoglobin-haptoglobin complex receptor, or macrophage-associated antigen. It is a 134 kD (non-reduced)/155 kD (reduced) glycoprotein primarily expressed on macrophages, Kupffer cells, monocytes, a subset of dendritic cells, and a subset of hematopoietic stem/progenitor cells. CD163 binds to haptoglobin-hemoglobin complex and TWEAK, and plays a role in clearing hemoglobin and regulating cytokine production by macrophages. Membrane CD163 can be cleaved by metalloproteinases (MMP), resulting in a soluble form. Elevated serum level of sCD163 has been implicated in many kinds of inflammatory diseases.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Recombinant mouse CD163 extracellular domain
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 810 under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
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. * APC/Fire™ 810 has a maximum excitation of 650 nm and a maximum emission of 810 nm. Excessive exposure to light, and commonly used fixation, permeabilization buffers can affect APC/Fire™ 810 fluorescence signal intensity and spread. Please keep conjugates protected from light exposure. For more information and representative data, visit our Fire Dyes page.
Excitation Laser	Red Laser (633 nm)
RRID	AB_2904294 (BioLegend Cat. No. 155321)

Antigen Details

Structure	Type 1 transmembrane glycoprotein, 134 kD (non-reduced)/155 kD (reduced) glycoprotein
Distribution	Macrophages, Kupffer cells, monocytes, a subset of dendritic cells, and a subset of hematopoietic stem/progenitor cells

Function	Binds to haptoglobin-hemoglobin complex and TWEAK, and plays a role in clearing hemoglobin and regulating cytokine production by macrophages
Biology Area	Immunology
Molecular Family	CD Molecules
Gene ID	93671

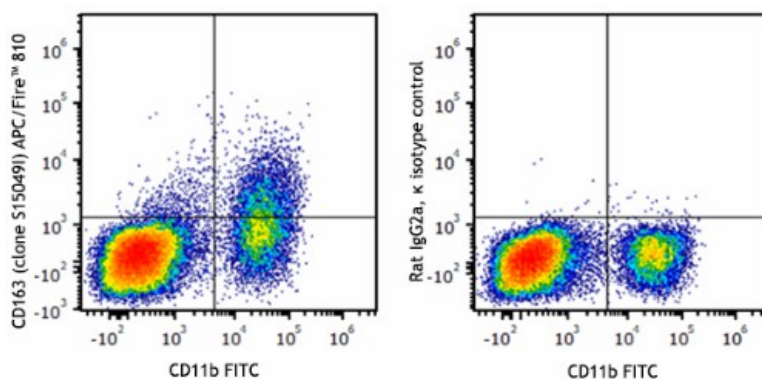
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse CD163, Brilliant Violet 421™ anti-mouse CD163, PE anti-mouse CD163, APC anti-mouse CD163, TotalSeq™-A0417 anti-mouse CD163, TotalSeq™-B0417 anti-mouse CD163, TotalSeq™-C0417 anti-mouse CD163, PE/Dazzle™ 594 anti-mouse CD163 Antibody, KIRAVIA Blue 520™ anti-mouse CD163 Antibody, PE/Cyanine7 anti-mouse CD163 Antibody, APC/Fire™ 810 anti-mouse CD163 Antibody, APC/Cyanine7 anti-mouse CD163

Product Data



C57BL/6 mouse bone marrow cells were stained with anti-mouse CD11b FITC and anti-mouse CD163 (clone S15049) APC/Fire™ 810 (left) or rat IgG2a, κ isotype control APC/Fire™ 810 (right).

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