

Alexa Fluor® 488 anti-mouse CD163 Antibody

Catalog# / Size	156713 / 25 µg 156714 / 100 µg
Clone	S15049F
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 Alexa Fluor® 488 under optimal conditions.
Concentration	0.5 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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm. Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation. View full statement regarding label licenses
Excitation Laser	Blue Laser (488 nm)

Antigen Details

Structure	Type 1 transmembrane glycoprotein, 134 kD (non-reduced)/155 kD (reduced) glycoprotein
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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.
Cell Type	Dendritic cells, Hematopoietic stem and progenitors, Macrophages, Monocytes
Biology Area	Immunology
Molecular Family	CD Molecules
Gene ID	93671

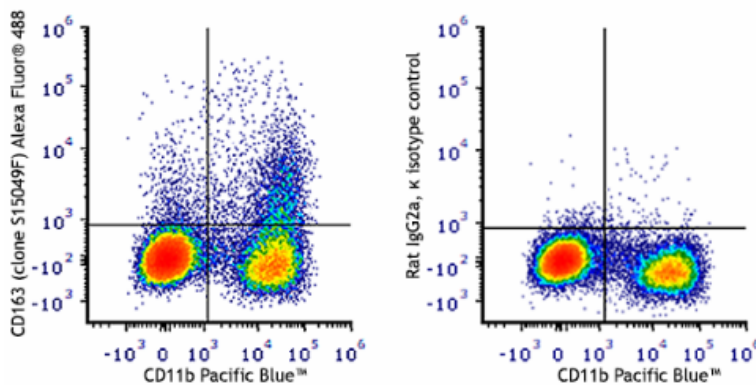
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE/Cyanine7 anti-mouse CD163, APC anti-mouse CD163, PE/Dazzle™ 594 anti-mouse CD163, Brilliant Violet 421™ anti-mouse CD163, PE anti-mouse CD163, Alexa Fluor® 488 anti-mouse CD163 Antibody, Purified anti-mouse CD163

Product Data



C57BL/6 mouse bone marrow cells were stained with anti-mouse/human CD11b (clone M1/70) Pacific Blue™ and anti-mouse CD163 (clone S15049F) Alexa Fluor® 488 (left), or rat IgG2a, κ Alexa Fluor® 488 isotype control (right).

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