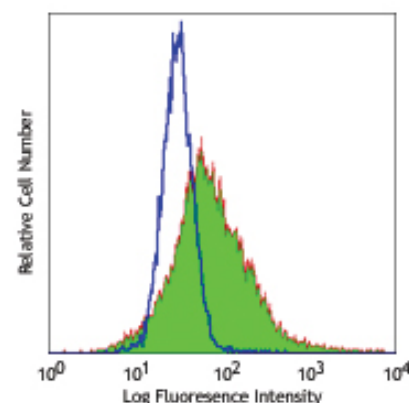


Product Data Sheet

Purified anti-human CD163

Catalog # / Size: 326502 / 100 µg
Clone: RM3/1
Isotype: Mouse IgG1, κ
Immunogen: human monocytes
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C.



GM-CSF-stimulated (day-3) human monocytes stained with purified RM3/1, followed by anti-mouse IgG FITC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Clone RM3/1 binds to domain 9 of CD163.

Application References:

1. Högger P, et al. 1998. *J. Immunol.* 161:1883.
2. Zwadlo G, et al. 1987. *Exp. Cell Biol.* 55(6):295.
3. Buechler C, et al. 2000. *J. Leukoc. Biol.* 67:97.
4. Puig-Kroger A, et al. 2009. *Cancer Res.* 69:9395. PubMed
5. Madsen M, et al. 2004. *J. Biol. Chem.* 279:51561.
6. Stewart DA, et al. 2012. *Mol Cancer Res.* 10:727. PubMed

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, Kuffer cells, monocytes, 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 soluble form. Elevated serum level of sCD163 has been implicated in many kinds of inflammation diseases.

Antigen References:

1. Roth J, et al. 1994. *Transplantation.* 57:127.
2. Van den Heuvel MM, et al. 1999. *J. Leukoc. Biol.* 66:858.
3. Sulahian TH, et al. 2000. *Cytokines* 12:1312.
4. Fabrick BO, et al. 2007. *J. Neuroimmunol.* 187:179.

Related Products:

Product
 Purified Mouse IgG1, κ Isotype Ctrl
 APC Goat anti-mouse IgG (minimal x-reactivity)
 PE Goat anti-mouse IgG (minimal x-reactivity)
 Cell Staining Buffer
 RBC Lysis Buffer (10X)

Clone
 MOPC-21
 Poly4053
 Poly4053

Application

FC, ICFC, ICC, IF, IHC, IP, WB
 FC
 FC
 FC, ICC, ICFC
 FC, ICFC



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