

Mouse CD163 Monoclonal Antibody | anti-CD163 antibody

CD163 antibody (PE)

CATALOG # AAA106856	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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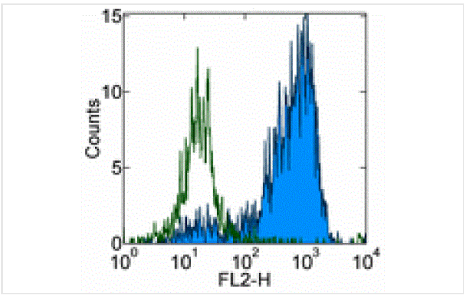
PRODUCT SYNONYMS

CD163; Monoclonal Antibody; CD163 antibody (PE); Monoclonal CD163; Anti-CD163; CD-163; M 130; CD 163; anti-CD163 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	GHI/61
Specificity	Human
Form/Format	Supplied in aqueous buffer with 0.09% sodium azide, may contain carrier protein/stabilizer.
Concentration	5ul/test (varies by lot)
Sequence Length	1116
Applicable Applications for anti-CD163 antibody	FCM/FACS (Flow Cytometry)
Biological Significance	The GHI/61 monoclonal antibody reacts with human CD163, a member of the macrophage scavenger receptor family. CD163 is expressed by tissue macrophages, circulating blood monocytes, and some reports suggest that it may also be expressed by haematopoietic progenitor cells. CD163 functions as a high affinity scavenger receptor for the complex of haemoglobin and haptoglobin which forms to clear haemoglobin from the blood. The high affinity for CD163 is specific for the haemoglobin-haptoglobin complex, whereas haemoglobin or haptoglobin display no to low affinity toward CD163. Upon ligand binding, CD163 initiates signal transduction which leads to the production of IL-6 and IL-10. Furthermore, it has been demonstrated that cytokines such as IL-6 and IL-10 can induce expression of CD163, whereas proinflammatory stimuli, such as LPS or TNF alpha, can cause shedding of a soluble form of CD163, whose function is unclear.
Tag/Conjugate	PE
Preparation and Storage	Store at 4 degree C

IMAGES



FCM/FACS (Flow Cytometry)
Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control (PE) (open histogram) or CD163 antibody (PE) (filled histogram). Cells in the monocyte gate were used for analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-CD163 antibody	Mouse monoclonal CD163 antibody (PE)
Product Categories/Family for anti-CD163 antibody	Immunology ; Conjugated Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5107945
NCBI GeneID	9332
UniProt Accession #	Q86VB7 ; Q07898 ; Q07899 ; Q07900 ; Q07901 ; Q2VLH7 ; C9JIG2
Molecular Weight	124,958 Da
NCBI Official Full Name	CD163
NCBI Official Synonym Full Names	CD163 molecule
NCBI Official Symbol	CD163
NCBI Official Synonym Symbols	M130; MM130
NCBI Protein Information	scavenger receptor cysteine-rich type 1 protein M130
UniProt Protein Name	Scavenger receptor cysteine-rich type 1 protein M130
UniProt Gene Name	CD163
UniProt Synonym Gene Names	M130; sCD163
UniProt Entry Name	C163A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd163-antibody-clone-ghi-61-flow-cytometry-elisa/106856>