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Product datasheet for TA320238

CD163 Mouse Monoclonal Antibody [Clone ID: eBioGHI/61 (GHI/61)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	eBioGHI/61 (GHI/61)
Applications:	FC
Recommended Dilution:	Flow, WB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD163 molecule
Database Link:	NP_004235 Entrez Gene 9332 Human Q86VB7
Background:	The eBioGHI/61 monoclonal antibody reacts with human CD163 (Haemoglobin Scavenger Receptor, M130), 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.

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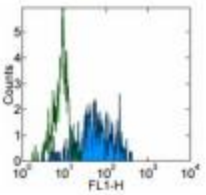
Synonyms: M130; MM130; SCARI1

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Product images:



Staining of normal human peripheral blood cells with 0.25 ug of Mouse IgG1 K Isotype Control Purified (open histogram) or 0.25 ug of Anti-Human CD163 Purified (filled histogram) followed by Anti-Mouse IgG FITC. Cells in the monocyte gate were used for analysis.