

Product datasheet for **SM2160P**

CD163 Mouse Monoclonal Antibody [Clone ID: EDHu-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EDHu-1
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA. Western Blot. Immunoassay. Flow Cytometry. Immunofluorescence. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections.
Reactivity:	Human, Monkey, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Leucocytes harvested from pleural cavity of patients with idiopathic spontaneous pneumothorax.
Specificity:	This antibody recognises the CD163 cell surface antigen. Clone <i>EDHu-1</i> is reported to inhibit the binding of haptoglobin:haemoglobin to CD163 (<i>Madsen et al.</i> 2004).
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction from tissue culture supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name: CD163 molecule

Database Link: [Entrez Gene 9332 Human Q86VB7](#)

Background: CD163 is a 130-140kD glycoprotein expressed by tissue macrophages. CD163 is not expressed by resting peripheral blood leucocytes, but expression may be induced on monocytes by culture in dexamethasone. It is a member of the scavenger receptor cysteine-rich superfamily and is a receptor for the hemoglobin-haptoglobin complex. CD163 is expressed exclusively on the cell surface of human monocytes and macrophages that evolve predominantly in the late phase of inflammation. CD163 is present on all CD14 positive monocytes, most CD64 positive monocytes, and shows higher expression on CD16 positive monocytes. CD163 is upregulated on mononuclear phagocytes by IL-10, IL-6 and dexamethasone. Lipopolysaccharide (LPS) and phorbol myristate acetate (PMA) both induce shedding of CD163 from the cell surface into plasma or cell supernatant.

Synonyms: M130, Hemoglobin scavenger receptor, Macrophage marker