

Product datasheet for **AM26138PU-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	GHI/61
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Flow Cytometry. Immunoprecipitation. Western blot. Immunohistochemistry on Frozen Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Hairy cell leukemia cells
Specificity:	This antibody recognizes CD163, an approximately 130 kDa high affinity scavenger receptor expressed mainly on monocytes and macrophages, which binds hemoglobin-haptoglobin complex.
Formulation:	Phosphate buffered saline (PBS), pH~7.4 State: Aff - Purified State: Liquid purified Ig fraction (> 95% by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	130 kDa
Gene Name:	CD163 molecule



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

Background: CD163, also known as M130, is a member of the scavenger receptor family, accounting for the clearance of hemoglobin-haptoglobin complexes during limited hemolysis, which protects the body, in particular the kidneys, against heme-mediated oxidative damages. It does not have measurable affinity for noncomplexed hemoglobin or haptoglobin. Immunomodulatory role of CD163 has been postulated. CD163 is expressed by cells of the monocyte-macrophage lineage and its extracellular part also circulates in plasma as a soluble protein, especially during sepsis and other conditions affecting macrophage activity, when its level may raise manyfold.

Synonyms: M130, Hemoglobin scavenger receptor, Macrophage marker

Protein Families: Druggable Genome, Secreted Protein, Transmembrane