



11-645-C100

## Monoclonal Antibody to CD163 Purified Antibody (0.1 mg)

<b>Clone:</b>	GHI/61
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The mouse monoclonal antibody GHI/61 recognizes CD163, an approximately 130 kDa high affinity scavenger receptor expressed mainly on monocytes and macrophages, which binds hemoglobin-haptoglobin complex. HLDA VI; WS Code M38
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Hairy cell leukemia cells
<b>Species Reactivity:</b>	Human
<b>Application:</b>	Flow Cytometry Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections)
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified by protein-A affinity chromatography
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	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.

**For laboratory research only, not for drug, diagnostic or other use.**

**Antibodies****References:**

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- \*Kusi KA, Gyan BA, Goka BQ, Dodoo D, Obeng-Adjei G, Troye-Blomberg M, Akanmori BD, Adjimani JP: Levels of soluble CD163 and severity of malaria in children in Ghana. *Clin Vaccine Immunol*. 2008 Sep;15(9):1456-60.
- \*And many other.

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