



# Anti-CD163 monoclonal antibody, clone 326002 [Biotin] (DCABY-4289)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	CD163, also known as hemoglobin scavenger receptor, is a type I transmembrane protein expressed exclusively in monocytes and macrophages. It is a scavenger receptor cysteine-rich superfamily (SRCR-SF) protein that contains nine SRCR motifs in its extracellular region. Two alternatively spliced cytoplasmic variants of human CD163 exist. A soluble form of CD163 can also be released by metalloproteinase-mediated shedding of the extracellular domain. CD163 mediates the endocytosis of haptoglobin-hemoglobin complexes.
<b>Specificity</b>	Detects human CD163 in ELISAs. In sandwich immunoassays, no cross-reactivity or interference with recombinant mouse (rm)CD163, recombinant human (rh) TWEAK, rhCD6, rmTWEAK, or rmCD6 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human CD163. Gly41-Ser1045 Accession Number CAA80543
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	326002
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Biotin
<b>Applications</b>	ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	250 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CD163 CD163 molecule [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CD163
<b>Synonyms</b>	CD163; CD163 molecule; M130; MM130; scavenger receptor cysteine-rich type 1 protein M130; hemoglobin scavenger receptor; macrophage-associated antigen;
<b>Entrez Gene ID</b>	<a href="#">9332</a>
<b>Protein Refseq</b>	<a href="#">NP_004235</a>
<b>UniProt ID</b>	Q86VB7
<b>Chromosome Location</b>	12p13.3
<b>Pathway</b>	Binding and Uptake of Ligands by Scavenger Receptors; Scavenging of heme from plasma;
<b>Function</b>	protein binding; scavenger receptor activity;