



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

Antigen Description	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.
Specificity	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.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD163. Gly41-Ser1045 Accession Number CAA80543
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	326002
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Biotin
Applications	ELISA Detection (Matched Pair)
Format	Liquid
Size	250 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	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

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