



Anti-CD163 monoclonal antibody, clone EDHu-1 (CABT-47163MH)

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

PRODUCT INFORMATION

Product Overview

Mouse anti Human CD163 antibody, clone EDHu-1 recognizes the human CD163 cell surface antigen, a 130-140 kDa 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. Clone EDHu-1 is reported to inhibit the binding of haptoglobin/hemoglobin to CD163. Truncation mutation analysis demonstrates binding of EDHu-1 occurs via the N-terminal region of CD163 containing the first three scavenger receptor, Cysteine-rich, SRCR domains the third domain being critical as, cleavage of this domain at the major cleavage site ASP-265 abrogates binding to the N-terminal fragment. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	CD163
Immunogen	Leucocytes harvested from the pleural cavity of patients with idiopathic spontaneous pneumothorax
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Rhesus monkey, Sheep
Clone	EDHu-1
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; FC; IF; IA; IHC-P; WB
Format	Purified IgG - liquid
Size	200 µg

Preservative	See individual product datasheet
Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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;