



Rabbit Anti-Human CD163 Monoclonal Antibody, clone CQ7174 (CABT-Z231R)

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

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to CD163 residues within aa1056-1156 of CD163 was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7174
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	125 kDa
Cellular Localization	Cytoplasm
Positive Control	Liver
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	<p>CD163 is a type I membrane protein, and is a member of the hemoglobin scavenger receptor cystein-rich superfamily. The protein is involved in the clearance of hemoglobin-haptoglobin complexes and is considered to have anti-inflammatory functions.</p> <p>CD163 expression is restricted to the monocytic/macrophage lineage. It is expressed by all circulating monocytes and by a majority of tissue macrophages, such as splenic dendrocytes, alveolar macrophages and Kupffer cells of the liver. It is not present in macrophages in the mantle zone and some of the germinal center cells in lymph follicles, nor in Langerhans cells and interdigitating reticulum cells. In tumor tissues, CD163 is found in almost all cases of acute myeloid leukemia with monocytoid differentiation and in the majority of cases of histiocytic sarcoma, littoral cell angioma, Rosai-Dorfman disease, Langerhans cell histiocytosis and typical and atypical fibrous histiocytoma. It is also expressed in some cases of dermatofibrosarcoma protuberans.</p> <p>CD163 can be used to detect cells of monocytic and histiocyte lineage in neoplastic and reactive lesions. It has been shown to be more sensitive than CD68 for the detection of macrophages and monocytic cells. It covers a similar, but not identical, spectrum of cells as CD68.</p>
Keywords	CD163; CD163 molecule; M130; MM130; scavenger receptor cysteine-rich type 1 protein M130; hemoglobin scavenger receptor; macrophage-associated antigen

GENE INFORMATION

Gene Name	CD163
Entrez Gene ID	9332
UniProt ID	Q86VB7