Mouse CD163 Monoclonal Antibody | anti-CD163 antibody

CD163 (Monocyte & Macrophage Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214849	**Mouse**	**Human. Others not known.**	**Immunohistochemistry**

PRODUCT SYNONYMS

CD163; Monoclonal Antibody; CD163 (Monocyte & Macrophage Marker); CD163 antigen; Macrophage-associated antigen; M130; CD163 molecule; Hemoglobin scavenger receptor; MM130; Scavenger receptor cysteine rich type 1 protein M130; anti-CD163 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	M130/2164
Specificity	This MAb recognizes a protein of 140kDa, identified as CD163. It has been identified as an acute phase-regulated transmembrane protein whose function is to mediate the endocytosis of haptoglobin-hemoglobin complexes. This receptor is expressed on the surface of monocytes with low expression and on tissue macrophages, histiocytes with high expression. Staining with anti-CD163 has been helpful to distinguish synovial macrophages from synovial intimal fibroblasts in rheumatoid arthritis, where its specificity for macrophages was found to be superior to that of anti-CD68. Increased levels of CD163 were also detected in patients with microbial infections and myelomonocytic leukemias. Anti-CD163 is of considerable value for selective identification of monocytes and macrophages at a certain stage of differentiation and is suitable for myelomonocytic or monocytic leukaemia and neoplasms of true histiocytic origin. CD163 is positive in skin (histiocytes), gut, Kupffer cells, a few alveolar macrophages, macrophages in the placenta, and in macrophages in inflamed tissues including tumor tissue.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1,161
Applicable Applications for anti-CD163 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment of human CD163 protein (around aa 43-196) (exact sequence is proprietary)
Positive Control	hPBL Cells. Skin, Lung, Placenta or Histiocytoma.
Cellular Localization	Cell Surface & Cytoplasmic
Chromosome Location	12p13.3
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohistochemisry)
Formalin-fixed, paraffin-embedded human Tonsil stained withCD163 Mouse Monoclonal Antibody (M130/2164).

IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Lymph Node in Colon stained with CD163 Mouse Monoclonal Antibody (M130/2164).

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Lymph Node stained with CD163 Mouse Monoclonal Antibody (M130/2164).

NCBI AND UNIPROT INFORMATION

NCBI GI #	344179110
NCBI GeneID	9332
NCBI Accession #	NP_004235.4
NCBI GenBank Nucleotide #	NM_004244.5
UniProt Accession #	Q86VB7; Q07898; Q07899; Q07900; Q07901; Q2VLH7; C9JIG2
Molecular Weight	140kDa
NCBI Official Full Name	scavenger receptor cysteine-rich type 1 protein M130 isoform a
NCBI Official Synonym Full Names	CD163 molecule
NCBI Official Symbol	CD163
NCBI Official Synonym Symbols	M130; MM130; SCARI1
NCBI Protein Information	scavenger receptor cysteine-rich type 1 protein M130
UniProt Protein Name	Scavenger receptor cysteine-rich type 1 protein M130
UniProt Gene Name	**CD163**
UniProt Synonym Gene Names	M130; sCD163

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/cd163-antibody-clone-m130-2164-immunohistochemistry-elisa/214849