

Rabbit anti-Human CD163 Polyclonal Antibody | anti-CD163 antibody

CD163, NT (CD163, M130, Scavenger receptor cysteine-rich type 1 protein M130, Hemoglobin scavenger receptor, CD163, Soluble CD163)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24067	Rabbit	Human	ELISA, Western Blot, Immunohistochemistry

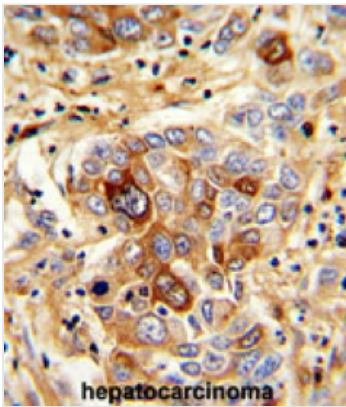
PRODUCT SYNONYMS

CD163; Polyclonal Antibody; NT (CD163; M130; Scavenger receptor cysteine-rich type 1 protein M130; Hemoglobin scavenger receptor; Soluble CD163); Anti - CD163; anti-CD163 antibody

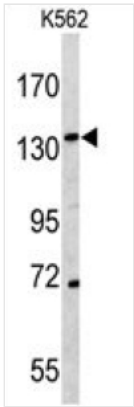
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes human CD163
Purity/Purification	Purified by ammonium sulfate precipitation.
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Concentration	2.04 mg/mL (varies by lot)
Applicable Applications for anti-CD163 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: 1:1000 Immunohistochemistry (FFPE): 1:10-1:50 Optimal dilutions to be determined by the researcher.
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 245-274 in the N-terminal region of human CD163.
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry in formalin-fixed and paraffin-embedded human hepatocarcinoma using AAA24067, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of AAA24067 for immunohistochemistry.



WB (Western Blot)
Western Blot analysis in K562 cell line lysates (35ug/lane) using AAA24067. CD163 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CD163 antibody	CD163 is an acute phase-regulated receptor involved in clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages and may thereby protect tissues from free hemoglobin-mediated oxidative damage. The protein may play a role in the uptake and recycling of iron, via endocytosis of hemoglobin/haptoglobin and subsequent breakdown of heme. It binds hemoglobin/haptoglobin complexes in a calcium-dependent and pH-dependent manner. And it exhibits a higher affinity for complexes of hemoglobin and multimeric haptoglobin of HP*1F phenotype than for complexes of hemoglobin and dimeric haptoglobin of HP*1S phenotype. It also induces a cascade of intracellular signals that involves tyrosine kinase-dependent calcium mobilization, inositol triphosphate production and secretion of IL6 and CSF1.
Product Categories/Family for anti-CD163 antibody	Antibodies; Abs to CD Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	5107945
NCBI GeneID	9332
UniProt Accession #	Q86VB7; Q07898; Q07899; Q07900; Q07901; Q2VLH7; C9JIG2
NCBI Official Full Name	CD163
NCBI Official Synonym Full Names	CD163 molecule
NCBI Official Symbol	CD163
NCBI Official Synonym Symbols	M130; MM130
NCBI Protein Information	scavenger receptor cysteine-rich type 1 protein M130; hemoglobin scavenger receptor; macrophage-associated antigen
UniProt Protein Name	Scavenger receptor cysteine-rich type 1 protein M130
UniProt Gene Name	CD163
UniProt Synonym Gene Names	M130; sCD163
UniProt Entry Name	C163A_HUMAN

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.

