

Rabbit CD164 Polyclonal Antibody | anti-CD164 antibody

CD164 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328113	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

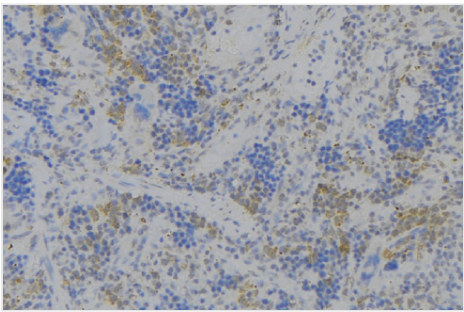
PRODUCT SYNONYMS

CD164; Polyclonal Antibody; CD164 Antibody; anti-CD164 antibody

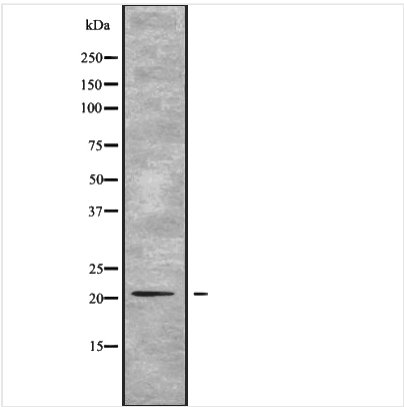
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD164 antibody detects endogenous levels of total CD164
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	184
Applicable Applications for anti-CD164 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CD164
Subcellular Location	Lysosome; Endosome; Plasma Membrane; Extracellular Region or Secreted
Tissue Specificity	Isoform 1 and isoform 3 are expressed in hematopoietic and non-hematopoietic tissues. Isoform 1 is expressed by prostate cancer tumors and prostate cancer cell lines. The expression is greater in bone metastases than in primary tumors. Expression in osseous metastasis is greater than that in soft tissue metastasis. Isoform 2 is expressed in the small intestine, colon, lung, thyroid and in colorectal and pancreatic adenocarcinoma. Isoform 4 is expressed by both hematopoietic progenitor cells and bone marrow stromal cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA328113 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of CD164 using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CD164 antibody	Function: Sialomucin that may play a key role in hematopoiesis by facilitating the adhesion of CD34+ cells to the stroma and by negatively regulating CD34+CD38(lo/-) cell proliferation. Modulates the migration of umbilical cord blood CD133+ cells and this is mediated through the CXCL12/CXCR4 axis. May play an important role in prostate cancer metastasis and the infiltration of bone marrow by cancer cells. Promotes myogenesis by enhancing CXCR4-dependent cell motility. Positively regulates myoblast migration and promotes myoblast fusion into myotubes (By similarity). Subunit Structure: Homodimer (isoform 4). Interacts with CXCR4. Post-translational Modifications: Highly N-and O-glycosylated; contains sialic acid. The motif Ser-Gly may serve as the site of attachment of a glycosaminoglycan side chain. Similarity: Belongs to the CD164 family.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	215422421
NCBI GeneID	8763
NCBI Accession #	NP_001135873.1
NCBI GenBank Nucleotide #	NM_001142401.2
UniProt Accession #	Q04900; O95413; Q5JSU6; Q9BPV0; Q9NR26; B4DQ85; E1P5E7; E1P5E8; E1P5E9
Molecular Weight	Observed: 21 kDa Predicted: 21 kDa
NCBI Official Full Name	sialomucin core protein 24 isoform 2
NCBI Official Synonym Full Names	CD164 molecule
NCBI Official Symbol	CD164
NCBI Official Synonym Symbols	DFNA66; MGC-24; MUC-24; MGC-24v; endolyn
NCBI Protein Information	sialomucin core protein 24
UniProt Protein Name	Sialomucin core protein 24
UniProt Gene Name	CD164
UniProt Synonym Gene Names	MUC-24; MGC-24; MGC-24v

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.

