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CD164 Polyclonal Antibody
Catalog # ABV11973

Specification

CD164 Polyclonal Antibody - Product Information

Application	**IHC, E**
Primary Accession	Q04900
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Isotype	**Rabbit IgG**
Calculated MW	**20917**

CD164 Polyclonal Antibody - Additional Information

Gene ID 8763

Application & Usage **E 1:5000-1:20000; IHC 1:100-1:300**

Other Names
Sialomucin core protein 24, MUC-24, Endolyn, Multi-glycosylated core protein 24, MGC-24, MGC-24v, CD164

Target/Specificity
CD164

Antibody Form
Liquid

Appearance
Colorless liquid

Handling
The antibody solution should be gently mixed before use

Reconstitution & Storage
-20°C

Background Descriptions

Precautions
CD164 Polyclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD164 Polyclonal Antibody - Protein Information

Name CD164

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).

Cellular Location
Lysosome membrane; Single-pass type I membrane protein Endosome membrane; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein

Tissue Location
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

CD164 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD164 Polyclonal Antibody - Images