

**ARG58567**  
anti-CD164 antibodyPackage: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CD164
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD164
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 152-185 of Human CD164.
Conjugation	Un-conjugated
Alternate Names	MGC-24; Multi-glycosylated core protein 24; CD antigen CD164; Endolyn; endolyn; Sialomucin core protein 24; MGC-24v; MUC-24

### Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat liver	
Observed Size	~ 70 kDa (glycosylated)	

### Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

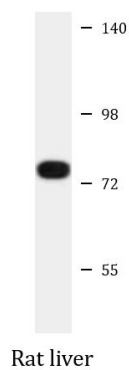
## Bioinformation

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Gene Symbol	CD164
Gene Full Name	CD164 molecule, sialomucin
Background	Sialomucins are a heterogeneous group of secreted or membrane-associated mucins that appear to play 2 key but opposing roles in vivo: first as cytoprotective or antiadhesive agents, and second as adhesion receptors. CD164 is a type I integral transmembrane sialomucin that functions as an adhesion receptor (Watt et al., 1998 [PubMed 9680353]; Forde et al., 2007 [PubMed 17077324]).[supplied by OMIM, Aug 2008]
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). [UniProt]
Calculated Mw	21 kDa
PTM	Highly N- and O-glycosylated; contains sialic acid.  The motif Ser-Gly may serve as the site of attachment of a glycosaminoglycan side chain. [UniProt]
Cellular Localization	Lysosome membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein. [UniProt]

## Images

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ARG58567 anti-CD164 antibody WB image

Western blot: 20 µg of Rat liver lysate stained with ARG58567 anti-CD164 antibody at 1:1000 dilution.