

For Research Use Only

CD164 Recombinant monoclonal antibody

Catalog Number: 85723-4-RR



Basic Information

Catalog Number:	85723-4-RR	GenBank Accession Number:	NM_016898.2	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	53599	CloneNo.:	242986G5
Source:	Rabbit	UNIPROT ID:	Q9RQ9	Recommended Dilutions:	WB: 1:1000-1:4000 IHC: 1:500-1:2000 IF/ICC: 1:200-1:800
Isotype:	IgG	Full Name:	CD164 antigen		
Immunogen Catalog Number:	EG2645	Calculated MW:	21 kDa		
		Observed MW:	80 kDa		

Applications

Tested Applications:	WB, IHC, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	mouse	WB:	mouse liver tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			IHC: mouse kidney tissue, IF/ICC: RM-1 cells,

Background Information

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 (PMID: 9680353)(PMID: 17077324). Sialomucin CD164 (MUC-24), also referred to multi-glycosylated core protein 24 (MGC24), is known to function as a receptor that regulates stem cell localization to the bone marrow. CD164 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. Important role of CD164 in prostate cancer metastasis, promoting myogenesis and regulating myoblast migration so far have been revealed (PMID: 9763543)(PMID: 16859559)(PMID: 17077324).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

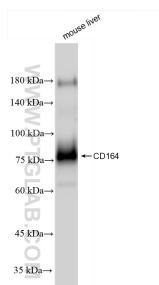
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data



mouse liver tissue was subjected to SDS PAGE followed by western blot with 85723-4-RR (CD164 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

