

For Research Use Only

Mouse CD164 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85723-4-PBS



Basic Information

Catalog Number:	85723-4-PBS	GenBank Accession Number:	NM_016898.2	Purification Method:	Protein A purification
Source:	Rabbit	GeneID (NCBI):	53599	CloneNo.:	242986G5
Isotype:	IgG	UNIPROT ID:	Q9ROL9		
Immunogen Catalog Number:	EG2645	Full Name:	CD164 antigen		
		Calculated MW:	21 kDa		
		Observed MW:	80 kDa		

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
mouse

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

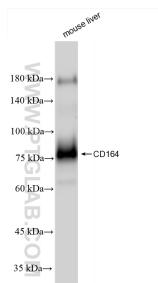
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com

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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. This data was developed using the same antibody clone with 85723-4-PBS in a different storage buffer formulation.

