

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 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:

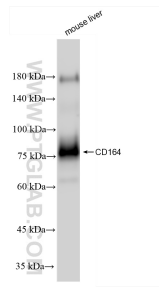
T: 4006900926

E: Proteintech-CN@ptglab.com

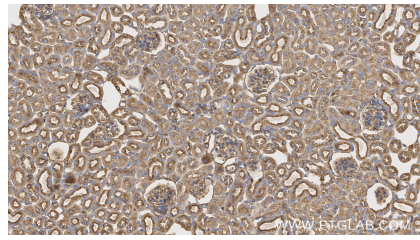
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

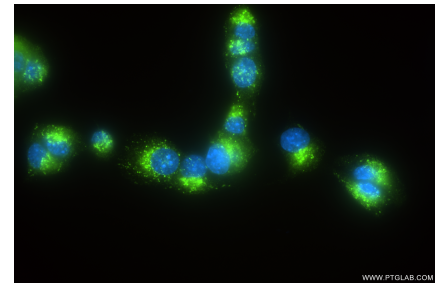
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 85723-4-RR (CD164 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85723-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed RM-1 cells using CD164 antibody (85723-4-RR, Clone: 242986G5) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 85723-4-PBS in a different storage buffer formulation.