

For Research Use Only

CoraLite® Plus 488-conjugated CD164 Polyclonal antibody



Catalog Number: CL488-12083

Basic Information

Catalog Number: CL488-12083	GenBank Accession Number: BC011522	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8763	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	UNIPROT ID: Q04900	
Isotype: IgG	Full Name: CD164 molecule, sialomucin	
Immunogen Catalog Number: AG2715	Calculated MW: 197 aa, 21 kDa	
	Observed MW: 82 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

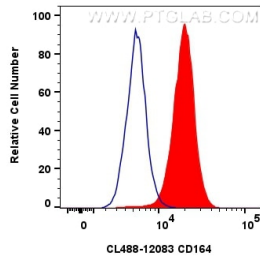
For technical support and original validation data for this product please contact:

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

Selected Validation Data



1x10⁶ K-562 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human CD164 (CL488-12083)(red), or 0.8 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).