

CoraLite[®] Plus 488-conjugated CD164 Polyclonal antibody

Catalog Number: **CL488-12083**

Basic Information

Catalog Number:

CL488-12083

Size:100ul , Concentration: 1000 µg/ml by
Nanodrop;**Source:**

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2715

GenBank Accession Number:

BC011522

GeneID (NCBI):

8763

UNIPROT ID:

Q04900

Full Name:

CD164 molecule, sialomucin

Calculated MW:

197 aa, 21 kDa

Observed MW:

82 kDa

Purification Method:

Antigen affinity purification

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:**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 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

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.com
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