

For Research Use Only

# Anti-Human CD164 Rabbit Recombinant Antibody

Catalog Number: 98239-1-RR



## Basic Information

<b>Catalog Number:</b> 98239-1-RR	<b>GenBank Accession Number:</b> NM_006016.6	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 8763	<b>CloneNo.:</b> 241950F3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q04900-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD164 molecule, sialomucin	
	<b>Calculated MW:</b> 21kDa	

## Applications

**Tested Applications:**  
FC

**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

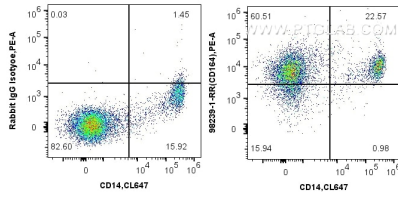
**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

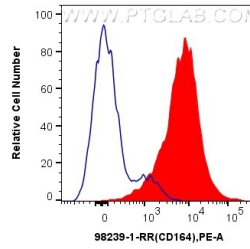
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD164 Rabbit Recombinant Antibody (98239-1-RR, Clone: 241950F3) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with and 0.25 ug CoraLite® Plus 647 Anti-Human CD14. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD164 Rabbit Recombinant Antibody (98239-1-RR, Clone:241950F3) (red), or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.