

Mouse anti-Human CD164 Monoclonal Antibody | anti-CD164 antibody

Mouse Anti Human CD164

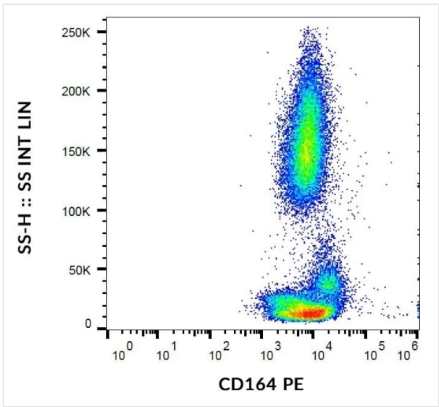
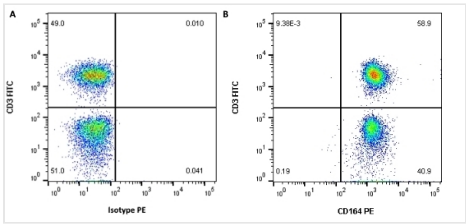
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50382	Mouse	Human	Western Blot, Immunoprecipitation, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD164; Monoclonal Antibody; Mouse Anti Human CD164; CD164 antibody; 67D2; anti-CD164 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	67D2
Purity/Purification	>95% by SDS PAGE Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Form/Format	Purified IgG - Liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	197
Applicable Applications for anti-CD164 antibody	WB (Western Blot), IP (Immunoprecipitation), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Breast tumor cell line T-47D
Preservative Stabilizers	<0.1% Sodium Azide (NaN ₃)
Buffer Solution	Phosphate Buffered Saline
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted.



Application Data
Surface Staining of human peripheral blood cells using Mouse anti Human CD164:RPE

ADDITIONAL INFORMATION

Related Product Information for anti-CD164 antibody	Mouse anti Human CD164 clone 67D2, recognizes CD164, also known as endolyn, a 160 kDa transmembrane homodimer protein. It is composed of an extracellular region and two O-glycosylated mucin domains (I and II). These two domains are linked by a non-mucin cysteine rich subdomain. CD164 is a member of the sialmucin family and is expressed by CD34+ hematopoietic progenitor cells, activated basophils, erythroid cells as well as various cancerous cells. A key role of CD164 is its involvement in regulating adhesion, migration and proliferation of hematopoietic progenitor cells (Zannettino et al. 1998). Elevated expression of CD164 has been observed in patients with Seazy syndrome which is a primary cutaneous T-cell lymphoma and as such, has been suggested as a potential marker of this disease (Guenova et al. 2016). This clone CD67D2 recognizes the class II epitope which is not sensitive to sialidase, N-glycanase and O-sialglycoprotease of CD164. This clones has been used in flow cytometry to examine CD164 upregulation in CD203c+ activated basophils (Hennersdorf et al. 2005).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	257051036
NCBI GeneID	8763
UniProt Accession #	Q04900
NCBI Official Full Name	Sialomucin core protein 24
NCBI Official Synonym Full Names	CD164 molecule
NCBI Official Symbol	CD164
NCBI Official Synonym Symbols	DFNA66; MGC-24; MUC-24; MGC-24v; endolyn
NCBI Protein Information	sialomucin core protein 24
UniProt Protein Name	Sialomucin core protein 24
UniProt Gene Name	CD164
UniProt Synonym Gene Names	MUC-24; MGC-24; MGC-24v

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.