

Anti-Hu CD164 Purified Monoclonal Antibody

Catalog Number: M05879

About CD164

CD164, also known as endolyn, is a type I transmembrane protein with heavily glycosylated extracellular part containing sialic acid and glycosaminoglycan residues. CD164 plays both adhesive and antiadhesive role and serves as a potent negative regulator for CD34+ CD38- hematopoietic progenitor cell proliferation. It has also been reported to be involved in myogenic differentiation and cancer metastasis. The adhesive and negative regulatory functions seem to depend on different posttranslational modifications of CD164 protein.

Overview

Product Name	Anti-Hu CD164 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD164 Purified Monoclonal Antibody (Catalog# M05879). Tested in Flow Cytometry, IP, WB, ICC application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, ICC, WB
Clonality	Monoclonal 67D2
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q04900

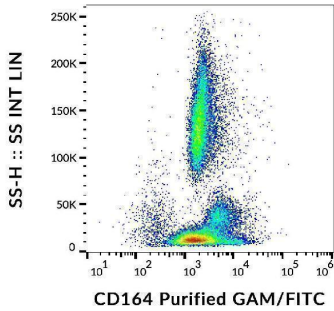
Technical Details

Immunogen	Breast tumor cell line T-47D. The mouse monoclonal antibody 67D2 recognizes an extracellular class III epitope (not sensitive to sialidase, N-glycanase, O-glycosidase, and O-sialoglycoprotease) of CD164, a sialomucin expressed in hematopoietic myeloid and erythroid progenitors, activated basophils, and in various carcinomas and leukemic cells.
Predicted Reactive Species	Primate
Cross Reactivity	Cross-reactivity with CLIC5b was not determined.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

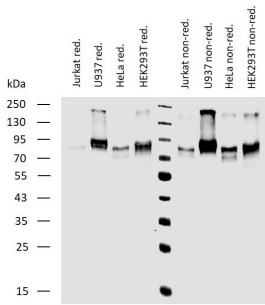
Suggested Dilutions

Flow cytometry: 1-4 ug/ml.

Anti-Hu CD164 Purified Monoclonal Antibody (M05879) Images



Flow cytometry analysis (surface staining) of human peripheral blood cells using anti-CD164 (67D2) purified, GAM-FITC.



Western blotting analysis of human CD164 expression in various cell lines under reducing and non-reducing conditions using mouse monoclonal antibody 67D2. The same amount of total protein (20 µg) was loaded in each lane. Nitrocellulose membrane was probed with 2 µg/ml of mouse monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody.

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