

Datasheet for ABIN6559813

anti-CD164 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD164
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD164 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Breast tumor cell line T-47D
Clone:	67D2
Isotype:	IgG1
Specificity:	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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

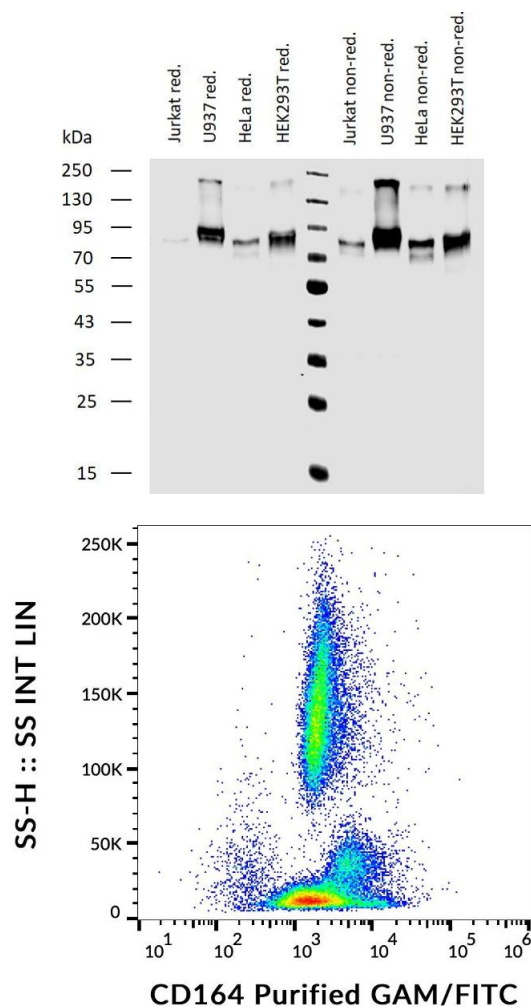
Target:	CD164
Alternative Name:	CD164 (CD164 Products)
Background:	CD164 Molecule,CD164, also known as endolyn, is a type I transmembrane protein with heavily glycosylated extracellular part containing sialic acid and glycosaminoglycan residues. CD164 plays both adhesive and antiadhesive role and serves 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.,DFNA66, MUC-24, MGC-24, endolyn
Gene ID:	8763
UniProt:	Q04900

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Western Blotting

Image 1. 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.

Flow Cytometry

Image 2. Flow cytometry analysis (surface staining) of human peripheral blood cells using anti-CD164 (67D2) purified, GAM-FITC.