abcam

ab328534

Alexa Fluor® 488 Anti-CD164 antibody [67D2]

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	Alexa Fluor® 488
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituents: PBS, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Breast tumor cell line T-47D. Database link Q04900
Clone number	67D2
Purification technique	Size-exclusion chromatography
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.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-

Notes	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Target data

See full target information CD164

Function	Sialomucin that 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. Modulates the migration of umbilical cord blood CD133+ cells and this is mediated through the CXCL12/CXCR4 axis. May play an important role in prostate cancer metastasis and the infiltration of bone marrow by cancer cells. Promotes myogenesis by enhancing CXCR4-dependent cell motility. Positively regulates myoblast migration and promotes myoblast fusion into myotubes (By similarity).

Storage

Shipped at conditions	Ambient - Can Ship with Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

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Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

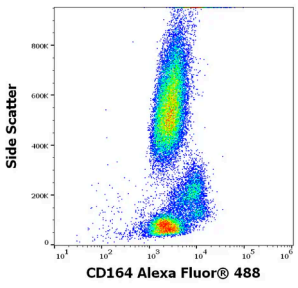
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
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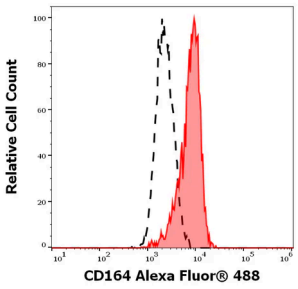
2 product images



Flow Cytometry - Alexa Fluor® 488 Anti-CD164 antibody [67D2] (ab328534)

CD164 Flow Cytometry staining of human peripheral whole blood using mouse Anti-CD164 antibody

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD164 (67D2) Alexa Fluor® 488 antibody (4 µl reagent / 100 µl of peripheral whole blood).



Flow Cytometry - Alexa Fluor® 488 Anti-CD164 antibody [67D2] (ab328534)

CD164 Flow Cytometry staining of human peripheral whole blood using mouse Anti-CD164 antibody

Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD164 (67D2) Alexa Fluor® 488 antibody (4 µl reagent / 100 µl of peripheral whole blood).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.