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Datasheet for ABIN302039 anti-CD11c antibody (PE)

2 Images

6 Publications



Overview

Quantity:	100 tests
Target:	CD11c (ITGAX)
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Dendritic cells of synovial fluid
Clone:	BU15
Isotype:	lgG1
Specificity:	The antibody BU15 reacts with an extracellular epitope of CD11c (alphaX, p150), a 150 kDa integrin expressed mainly on dendritic cells and tissue macrophages.
Cross-Reactivity (Details):	Human, Monkey
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:

CD11c (ITGAX)

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Target Details	
Alternative Name:	CD11c (ITGAX Products)
Background:	Integrin subunit alpha X,CD11c (p150, alphaX integrin subunit) forms complex with CD18 (beta2 integrin subunit) and is expressed mainly on tissue macrophages and dendritic cells. CD11c binds to complement fragment iC3b, fibrinogen, VCAM-1 and ICAM-2 or e.g. CD90. Like other beta2 integrins, CD11c/CD18 plays roles in cell migration and phagocytosis. Moreover, interaction of CD11c/CD18 with plasminogen regulates plasmin activities, and interaction with heparin counteracts binding of iC3b.,Integrin alpha X, ITGAX, SLEB6
Gene ID:	3687
UniProt:	P20702
Pathways:	Complement System, Activated T Cell Proliferation, Integrin Complex
Application Details	
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 μ L reagent / 100 μ L of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only
Handling	
Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing 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.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

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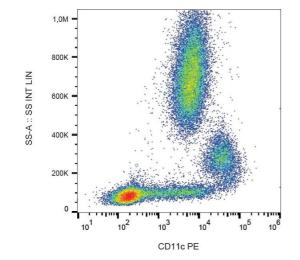
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There are more publications referencing this product on: Product page



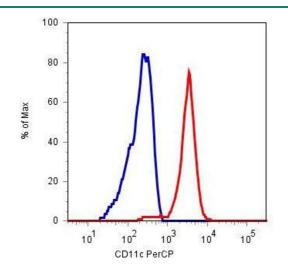
Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-CD11c (BU15) PE.

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Images

Images



Flow Cytometry

Image 2. Surface staining of human peripheral blood cells with anti-CD11c (BU15) PerCP (monocyte gate).

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