

Datasheet for ABIN302095

anti-CD11c antibody**3** Images**4** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD11c (ITGAX)
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD11c antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Dendritic cells of synovial fluid
Clone:	BU15
Isotype:	IgG1
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 by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	CD11c (ITGAX)
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: 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.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

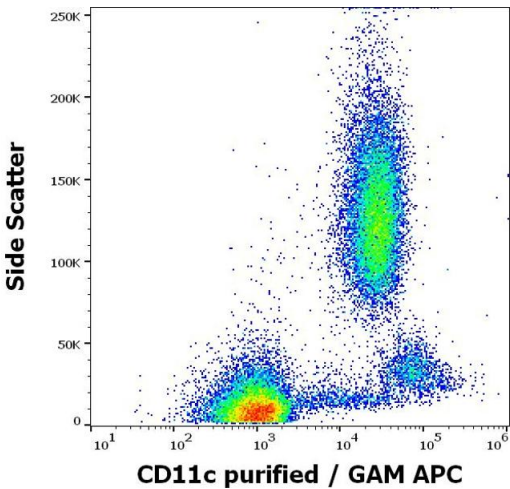
Product cited in:	Angel, Lala, Chen, Edgar, Ostrovsky, Dunbar: "CD14+ antigen-presenting cells in human dermis are less mature than their CD1a+ counterparts." in: International immunology , Vol. 19, Issue 11, pp. 1271-9, (2007) (PubMed).
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Myou, Zhu, Boetticher, Qin, Myo, Meliton, Lambertino, Munoz, Hamann, Leff: "Regulation of adhesion of AML14.3D10 cells by surface clustering of beta2-integrin caused by ERK-independent activation of cPLA2." in: **Immunology**, Vol. 107, Issue 1, pp. 77-85, (2002) ([PubMed](#)).

Van der Vieren, Le Trong, Wood, Moore, St John, Staunton, Gallatin: "A novel leukointegrin, alpha d beta 2, binds preferentially to ICAM-3." in: **Immunity**, Vol. 3, Issue 6, pp. 683-90, (1996) ([PubMed](#)).

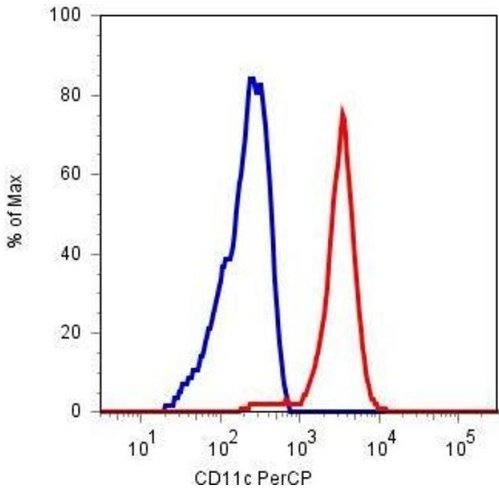
Hogg, Takacs, Palmer, Selvendran, Allen: "The p150,95 molecule is a marker of human mononuclear phagocytes: comparison with expression of class II molecules." in: **European journal of immunology**, Vol. 16, Issue 3, pp. 240-8, (1986) ([PubMed](#)).

Images



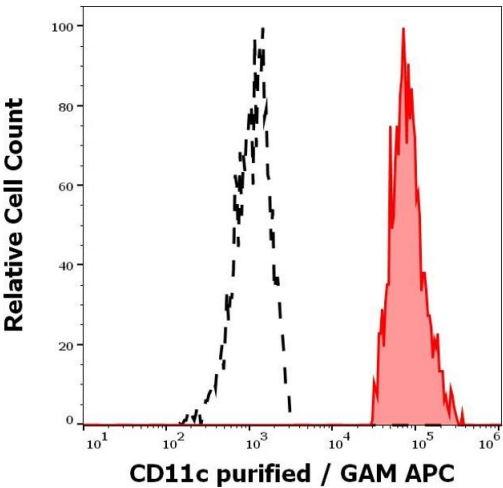
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD11c (BU15) purified antibody (concentration in sample 2 µg/mL, GAM APC).



Flow Cytometry

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



Flow Cytometry

Image 3. Separation of human monocytes (red-filled) from CD11c negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD11c (BU15) purified antibody (concentration in sample 2 µg/mL, GAM APC).