



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Technically
Speaking

CEDARLANE[®]
www.cedarlanelabs.com



Delivering You Today's Innovations for
the Science of Tomorrow™

Purified Mouse anti-CD11c Monoclonal Antibody

CLX342AP

Lot:

Size: 0.1 mg

Clone: BU15

Isotype: Mouse IgG1

Specificity: The antibody BU15 reacts with CD11c (alphaX, p150), a 150 kDa integrin expressed mainly on dendritic cells and tissue macrophages.

HLDA III; WS Code M 256

HLDA V; WS Code AS S143

HLDA VI; WS Code AS Ref.6

Immunogen: Dendritic cells of synovial fluid

Species Reactivity: Human, Canine (Dog), Monkey, Other not determined

Application: **Flow Cytometry**
Immunoprecipitation
Immunohistochemistry (frozen sections)

Purity: > 95% (by SDS-PAGE)

Purification: Purified from ascites by protein-A affinity chromatography.

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Background: **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.

Continued...

Visit our website for your local distributor.

CEDARLANE[®]



www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

In CANADA: **Toll Free: 1-800-268-5058**

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: **Toll Free: 1-800-721-1644**

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

References:

- *Sadhu C, Ting HJ, Lipsky B, Hensley K, Garcia-Martinez LF, Simon SI, Staunton D.E.: CD11c/CD18: novel ligands and a role in delayed-type hypersensitivity. *J Leukoc Biol.* 2007 Jun;81(6):1395-403.
- *Bullard DC, Hu X, Adams JE, Schoeb TR, Barnum S.R.: p150/95 (CD11c/CD18) expression is required for the development of experimental autoimmune encephalomyelitis. *Am J Pathol.* 2007 Jun;170(6):2001-8.
- *Vorup-Jensen T, Chi L, Gjelstrup LC, Jensen UB, Jewett CA, Xie C, Shimaoka M, Linhardt RJ, Springer T.A.: Binding between the integrin alphaXbeta2 (CD11c/CD18) and heparin. *J Biol Chem.* 2007 Oct 19;282(42):30869-77.
- *Gang J, Choi J, Lee JH, Nham S.U.: Identification of critical residues for plasminogen binding by the alphaXI-domain of the beta2 integrin, alphaXbeta2. *Mol Cells.* 2007 Oct 31;24(2):240-6.
- *Hogg N, Takacs L, Palmer DG, Selvendran Y, Allen C.: The p150,95 molecule is a marker of human mononuclear phagocytes: comparison with expression of class II molecules. *Eur J Immunol.* 1986 Mar;16(3):240-8.
- *Leukocyte Typing III., McMichael A. J. et al (Eds.), Oxford University Press (1987).
- *Trowald-Wigh G, Johannisson A, Håkansson L.: Canine neutrophil adhesion proteins and Fc-receptors in healthy dogs and dogs with adhesion protein deficiency, as studied by flow cytometry. *Vet Immunol Immunopathol.* 1993 Oct;38(3-4):297-310.
- *Leukocyte Typing V., Schlossman S. et al. (Eds.), Oxford University Press (1995).
- *Van der Vieren M, Le Trong H, Wood CL, Moore PF, St John T, Staunton DE, Gallatin W.M.: A novel leukointegrin, alpha d beta 2, binds preferentially to ICAM-3. *Immunity.* 1995 Dec;3(6):683-90.
- *Leukocyte Typing VI., Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997).
- *Rezzonico R, Imbert V, Chicheportiche R, Dayer J.M.: Ligation of CD11b and CD11c beta(2) integrins by antibodies or soluble CD23 induces macrophage inflammatory protein 1alpha (MIP-1alpha) and MIP-1beta production in primary human monocytes through a pathway dependent on nuclear factor-kappaB. *Blood.* 2001 May 15;97(10):2932-40.
- *Myou S, Zhu X, Boetticher E, Qin Y, Myo S, Meliton A, Lambertino A, Munoz NM, Hamann KJ, Leff A.R.: Regulation of adhesion of AML14.3D10 cells by surface clustering of beta2-integrin caused by ERK-independent activation of cPLA2. *Immunology.* 2002 Sep;107(1):77-85.
- *Sadhu C, Hendrickson L, Dick KO, Potter TG, Staunton D.E.: Novel Tools for Functional Analysis of CD11c: Activation-Specific, Activation-Independent, and Activating Antibodies. *J Immunoassay Immunochem.* 2008;29(1):42-57.
- *Angel CE, Lala A, Chen CJ, Edgar SG, Ostrovsky LL, Dunbar PR: CD14+ antigen-presenting cells in human dermis are less mature than their CD1a+ counterparts. *Int Immunol.* 2007 Nov;19(11):1271-9.

This product is made available in collaboration with Exbio Praha, a.s.

Laboratory Reagent For Research Use Only