

Datasheet for ABIN730918  
**anti-CD11b antibody (AA 77-180)**

4 Images

10 Publications

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	CD11b (ITGAM)
Binding Specificity:	AA 77-180
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD11b antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD11b
Isotype:	IgG
Specificity:	The immunogen of this product has partial sequence similarity to CD11d and may cross react.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Pig
Purification:	Purified by Protein A.

## Target Details

Target:	CD11b (ITGAM)
Alternative Name:	CD11b, CD11c ( <a href="#">ITGAM Products</a> )
Background:	<p>Synonyms: CR3A, MO1A, CD11B, MAC-1, MAC1A, SLEB6, Integrin alpha-M, CD11 antigen-like family member B, CR-3 alpha chain, Cell surface glycoprotein MAC-1 subunit alpha, Leukocyte adhesion receptor MO1, Neutrophil adherence receptor, ITGAM, Integrin alpha-X, ITGAX, CD11 antigen-like family member C, Leu M5, Leukocyte adhesion glycoprotein p150,95 alpha chain, Leukocyte adhesion receptor p150,95, CD11c</p> <p>Background: Integrin alpha-M/beta-2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. It is identical with CR-3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the R-G-D peptide in C3b. Integrin alpha-M/beta-2 is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain.</p>
Gene ID:	3684
UniProt:	<a href="#">P11215</a>
Pathways:	<a href="#">Apoptosis</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Activated T Cell Proliferation</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

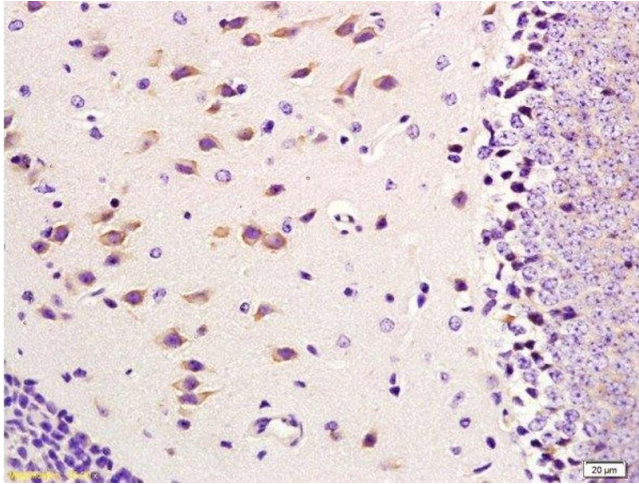
Format:	Liquid
Concentration:	1 µg/µL

## Handling

Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

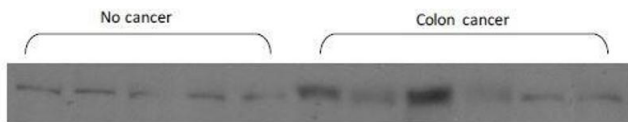
## Publications

Product cited in:	<p>Yamaguchi, Sato, Kato-Itoh, Goto, Hara, Sanbo, Mizuno, Kobayashi, Yanagida, Umino, Ota, Hamanaka, Masaki, Rashid, Hirabayashi, Nakauchi: "Interspecies organogenesis generates autologous functional islets." in: <b>Nature</b>, Vol. 542, Issue 7640, pp. 191-196, (2017) (<a href="#">PubMed</a>).</p> <p>Zhang, Diao, Jia, Yuan, Thamm, Wang, Jin, Pei, Zhou, Yu, Zhao, Cheng, Du, Huang, Zhang, Lin: "Proteus mirabilis inhibits cancer growth and pulmonary metastasis in a mouse breast cancer model." in: <b>PLoS ONE</b>, Vol. 12, Issue 12, pp. e0188960, (2017) (<a href="#">PubMed</a>).</p> <p>Long, Luo, Wang, Bates, Shetty: "Mash1-dependent Notch Signaling Pathway Regulates GABAergic Neuron-Like Differentiation from Bone Marrow-Derived Mesenchymal Stem Cells." in: <b>Aging and disease</b>, Vol. 8, Issue 3, pp. 301-313, (2017) (<a href="#">PubMed</a>).</p> <p>Velázquez, Enos, McClellan, Cranford, Chatzistamou, Singh, Nagarkatti, Nagarkatti, Fan, Murphy : "MicroRNA-155 deletion promotes tumorigenesis in the azoxymethane-dextran sulfate sodium model of colon cancer." in: <b>American journal of physiology. Gastrointestinal and liver physiology</b>, Vol. 310, Issue 6, pp. G347-58, (2016) (<a href="#">PubMed</a>).</p> <p>Kobayashi, Tanizaki, Kimura, Ishida, Nosaka, Toujima, Kuninaka, Minami, Ino, Kondo: "AG490, a Jak2 inhibitor, suppressed the progression of murine ovarian cancer." in: <b>European journal of pharmacology</b>, Vol. 766, pp. 63-75, (2015) (<a href="#">PubMed</a>).</p> <p>There are more publications referencing this product on: <a href="#">Product page</a></p>
-------------------	--



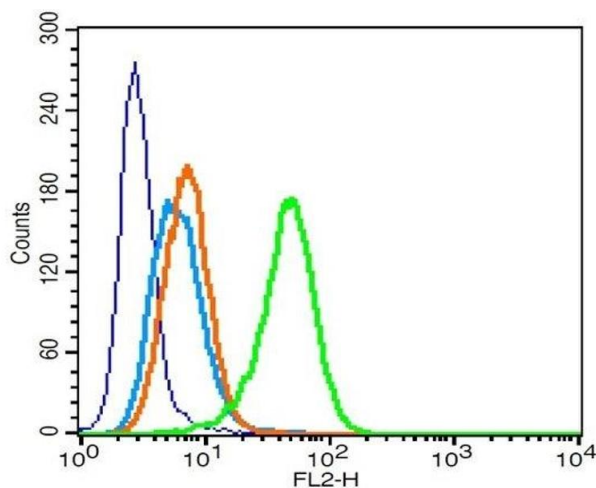
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin embedded mouse brain tissue labeled with Anti-CD11b/Integrin  $\alpha$ M/Integrin Alpha M Polyclonal Antibody, Unconjugated at 1:300, followed by conjugation to the secondary antibody and DAB staining



#### Western Blotting

**Image 2.** This image was kindly submitted by Kandy Velazquez from USC School of Medicine. Mouse colon lysates probed with CD11b/c Polyclonal Antibody, unconjugated at 1:1000 overnight at 4°C followed by a conjugated secondary antibody at 1:2000 for 60 minutes at 37°C.



#### Flow Cytometry

**Image 3.** Human U937 cells probed with CD11b/c Polyclonal Antibody, Unconjugated (0.2ug) for 30 minutes followed by incubation with a PE Conjugated secondary (green) for 30 minutes compared to control unstained cells (blue), secondary only (light blue) and isotype control (orange).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN730918.