Product datasheet

Anti-CD11B/Integrin Alpha M/ITGAM Antibody

Catalog Number: *PB9140*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-CD11B/Integrin Alpha M/ITGAM Antibody
Gene Name	ITGAM
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human CD11b recombinant protein (Position: F17-T382). Human CD11b shares 79% and 61% amino acid (aa) sequences identity with mouse and rat CD11b, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	127,170 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Integrin alpha M (ITGAM) is one protein subunit that forms the heterodimeric integrin alpha-M beta-2 (αMβ2) molecule, also known as macrophage-1 antigen (Mac-1) or complement receptor 3 (CR3). It is mapped to 16p11.2. ITGAM has a role in vascular repair after mechanical arterial injury. It is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. What's more, ITGAM probably recognizes the R-G-D peptide in C3b, and it is also a receptor for fibrinogen, factor X and ICAM1.

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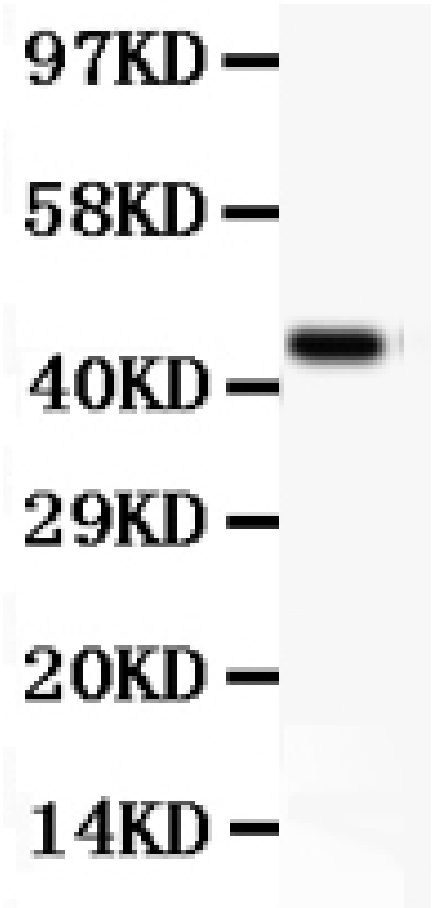
Reference

Anti-CD11B/Integrin Alpha M/ITGAM Antibody被引用在6文献中。

Selected Validation Data



Western blot analysis of CD11B/Integrin Alpha M/ITGAM using anti-CD11B/Integrin Alpha M/ITGAM antibody (PB9140).
Lane 1: recombinant Human CD11B Protein 0.5ng.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD11B/Integrin Alpha M/ITGAM antigen affinity purified polyclonal antibody (PB9140) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD11B/Integrin Alpha M/ITGAM at approximately 45 kDa.

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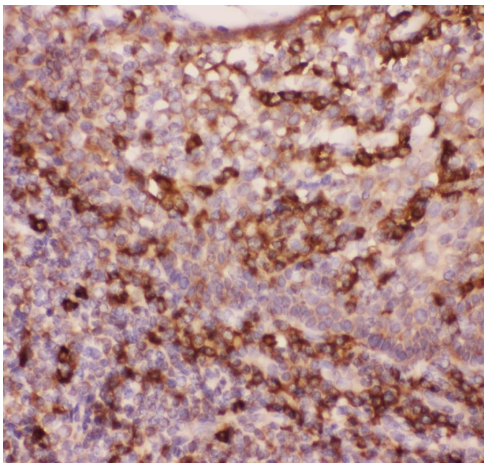
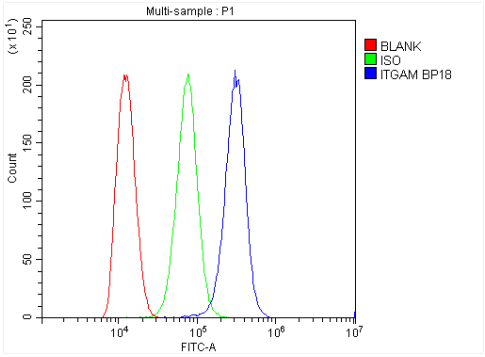


IHC analysis of CD11B/Integrin Alpha M/ITGAM using anti-CD11B/Integrin Alpha M/ITGAM antibody (PB9140).
CD11B/Integrin Alpha M/ITGAM was detected in a paraffin-embedded section of human tonsil tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-CD11B/Integrin Alpha M/ITGAM Antibody (PB9140) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



Flow Cytometry analysis of THP-1 cells using anti-CD11B/Integrin Alpha M/ITGAM antibody (PB9140).
Overlay histogram showing THP-1 cells stained with PB9140 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-CD11B/Integrin Alpha M/ITGAM Antibody (PB9140) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.