



Rabbit anti CD11b Polyclonal Antibody

Alternative Name(s): CD11b; MAC-1; Mac-1 α ; integrin α M chain

Order Information

- **Description:** CD11b
- **Catalogue:** 500-10944
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** WB, IHC(P)
- **Reactivity:** Hu

ANTIGEN PREPARATION

Recombinant protein encoding aa 936-1154 of human CD11b.

BACKGROUND

CD11b (Integrin α M β 2, Mac-1, CD11b/CD18) is a non-covalently linked heterodimer of α M and β 2 subunits on the surface of leukocytes. It is expressed on the surface of many leukocytes involved in the innate immune system, including monocytes, granulocytes, macrophages and natural killer cells. CD11b consists of two polypeptide chains with molecular weights 95 and 170kDa. The heterodimeric proteins (designated CD11) share a common beta chain CD18 of 95kDa; The alpha chain component of the leukocyte associated antigen is expressed on granulocytes, monocytes and macrophages. CD11b plays a pivotal role in the adhesion and migration of these cells. This antibody reacts with the 170 kDa (CD11b/CD18 heterodimer).

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~170 kDa of CD11b Protein. It reacts with human. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: nan
- Immunoprecipitation: nan
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 170.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

FOR RESEARCH USE ONLY.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com



*Optimal dilutions should be determined by researchers for the specific applications.

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DATA ATTACHMENTS

MW(kDa)

150

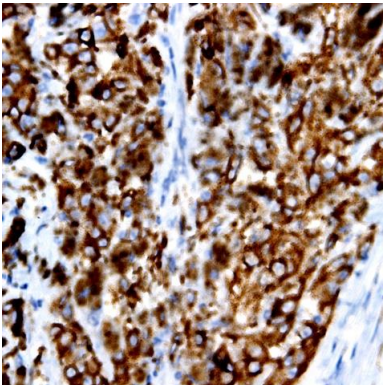
100

75

50



Western Blot: The whole cell lysate derived from Jurkat was separated in 10% SDS-PAGE, transferred onto NC membrane, and immunoblotted by Rabbit anti – CD11b (Cat#500-10944) antibody at 1:500 . An immunoreactive band around ~170 kDa is observed.



Immunohistochemistry: Human Tonsil (FFPE) stained with Rabbit anti-CD11b (Cat# 500-10944) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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