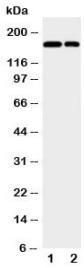
# CD11b Antibody / MAC-1 / ITGAM (R31044)

| Catalog No. | Formulation | Size |
|---|---|---|
| R31044 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| **UniProt** | P11215 |
| **Localization** | Cell membrane, cytoplasm |
| **Applications** | Western blot: 0.5-1ug/ml |
| **Limitations** | This CD11b antibody is available for research use only. |




Western blot testing of CD11b antibody and Lane 1: Jurkat; 2: Raji; Observed molecular weight: 127~170 kDa due to glycosylation.

## Description

ITGAM (Integrin Alpha-M), also called CD11b, MAC-1 or Mo1 alpha subunit (MO1A), is one protein subunit that forms the heterodimeric integrin alpha-M beta-2 (alphaMbeta2) molecule. A major surface antigen family on human leukocytes includes complement receptor type 3 (CR3A; also called ITGAM, Mac1, or Mo1), lymphocyte function-associated (LFA) antigen type 1 (ITGAL), and p150, 95 (ITGAX). By in situ hybridization, Corbi et al.(1988) demonstrated that the genes encoding the alpha subunits of LFA1(ITGAL), Mac1, and p150, 95 (ITGAX), all of which are involved in leukocyte

adhesion, constitute a cluster on 16p13.1-p11. Callen et al.(1991) narrowed the assignment to 16p11.2. Inflammation plays an essential role in the initiation and progression of atherosclerosis. Simon et al.(2000) presented evidence that it also has a role in vascular repair after mechanical arterial injury (i.e., percutaneous transluminal coronary angioplasty, or PTCA).

See our CD11b Antibody ITGAM/3338 page for a monoclonal antibody targeting the ITGAM alpha chain.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD11b antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the N-terminus of human CD11b (MEQLKKSKTLFSLMQY) was used as the immunogen for this CD11b antibody.

## Storage

After reconstitution, the CD11b antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

## Alternate Names

Granulocyte marker


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