

# Anti-CD11b/CR3 (Integrin Subunit Alpha M) [BEAR1]

**Catalogue number:** 154771

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:**

**Institute:** Netherlands Cancer Institute

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CD11b/CR3 (Integrin Subunit Alpha M) [BEAR1]

**Alternate name:** ITGAM; Leukocyte Adhesion Receptor MO1

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** ITGAM is one protein subunit that forms heterodimeric integrin alpha-M beta-2 (Ä?Ä??MÄ?Ä??2) molecule, also known as macrophage-1 antigen (Mac-1) or complement receptor 3 (CR3). The second chain of Ä?Ä??MÄ?Ä??2 is the common integrin Ä?Ä??2 subunit known as CD18, and integrin Ä?Ä??MÄ?Ä??2 thus belongs to the Ä?Ä??2 subfamily (or leukocyte) integrins. Ä?Ä??MÄ?Ä??2 is expressed on the surface of many leukocytes involved in the innate immune system, including monocytes, granulocytes, macrophages, and natural killer cells. It mediates inflammation by regulating leukocyte adhesion and migration and has been implicated in several immune processes such as phagocytosis, cell-mediated cytotoxicity, chemotaxis and cellular activation

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** The mouse was immunized with purified human monocytes

**Immunogen UNIPROT ID:**

**Sequence:**  
**Growth properties:**  
**Production details:**  
**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:** CD11b/CR3

**Target alternate names:**

**Target background:** ITGAM is one protein subunit that forms heterodimeric integrin alpha-M beta-2 (αMβ2) molecule, also known as macrophage-1 antigen (Mac-1) or complement receptor 3 (CR3). The second chain of αMβ2 is the common integrin β2 subunit known as CD18, and integrin αMβ2 thus belongs to the β2 subfamily (or leukocyte) integrins. αMβ2 is expressed on the surface of many leukocytes involved in the innate immune system, including monocytes, granulocytes, macrophages, and natural killer cells. It mediates inflammation by regulating leukocyte adhesion and migration and has been implicated in several immune processes such as phagocytosis, cell-mediated cytotoxicity, chemotaxis and cellular activation

**Molecular weight:** 160 kDa

**Ic50:**

## Applications

**Application:** FACS ; IP  
**Application notes:**

## Handling

**Format:** Liquid  
**Concentration:** 0.9-1.1 mg/ml  
**Passage number:**  
**Growth medium:**  
**Temperature:**  
**Atmosphere:**  
**Volume:**  
**Storage medium:**  
**Storage buffer:** PBS with 0.02% azide  
**Storage conditions:**

-15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:**

CancerTools.org