

CD 11b

Cat.No. 384 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

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| Reconstitution/ Storage | 50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. |
| Applications | WB: 1 : 1000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not recommended IHC-P/FFPE: not recommended |
| Immunogen | Synthetic peptide corresponding to AA 1143 to 1153 from mouse CD11b (UniProt Id: P05555) |
| Reactivity | Reacts with: mouse (P05555). Other species not tested yet. |
| Specificity | Specific for CD 11b. |

Selected General References

The CD11b-integrin (ITGAM) and systemic lupus erythematosus. Fagerholm SC, MacPherson M, James MJ, Sevier-Guy C, Lau CS Lupus (2013) 22(7): 657-63.

Neutrophil expression of tumour necrosis factor receptors (TNF-R) and of activation markers (CD11b, CD43, CD63) in rheumatoid arthritis.

Lopez S, Halbwachs-Mecarelli L, Ravaud P, Bessou G, Dougados M, Porteu F Clinical and experimental immunology (1995) 101(1): 25-32.

Crystal structure of the A domain from the alpha subunit of integrin CR3 (CD11b/CD18).

Lee JO, Rieu P, Arnaout MA, Liddington R Cell (1995) 80(4): 631-8.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

CD 11b also called integrin alpha-M is one protein subunit that forms the heterodimeric integrin αMβ2 complex. The second chain of αMβ2 is the common integrin β2 subunit known as CD 18. αMβ2 is implicated in various adhesive interactions of monocytes, macrophages, granulocytes and natural killer cells. αMβ2 is identical with the macrophage-1 antigen (Mac-1) and the complement receptor 3 (CR3).

Antibodies against CD 11b are frequently used to identify macrophages and microglia.