



## CD11b Rat monoclonal antibody

Catalog: MB65829

Host: Rat

Reactivity: Human, Mouse

### BackGround:

Cluster of differentiation molecule 11b (CD11b)/Integrin alpha M (ITGAM) is a transmembrane protein forming heterodimers that are composed of  $\alpha$  and  $\beta$  subunits. CD11b is expressed by, and commonly used as a marker for, myeloid lineage cells, including neutrophils, monocytes, macrophages, and microglia. CD11b is phosphorylated at Ser1126 (cytoplasmic tail) in neutrophils. Research has shown that this phosphorylation event plays a role for leukocytes traveling from the blood stream to tissues. Furthermore, genome-wide association studies have linked CD11b to autoimmune diseases, such as systemic lupus erythematosus (SLE). The M1/70 antibody is widely used as a marker for CD11b expression on neutrophils, macrophages, NK cells, and dendritic cells (DC).

### Product:

Rat IgG2b kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

### Molecular Weight:

~ 127 kDa

### Swiss-Prot:

P11215

### Purification&Purity:

The monoclonal antibody was affinity-purified from rat antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IF (1/50 - 1/200)

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes mouse CD11b

### DATA:

### Note:

For research use only, not for use in diagnostic procedure.

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