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Anti-CD11b Rabbit mAb [49A43]

Catalog No.: A52047

Basic Information

Catalog No. (Cat.No.)	A52047
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	CD11b,MAC-1,CR3α,αM

Product Information

Target	CD11b
Molecular Weight(Calculated)	127 kDa
Molecular Weight(Observed)	170 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	49A43
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:4000-1:20000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Integrin subunit alpha-M
Gene Name	*ITGAM*
Domain	NA
Background	CD11b (Integrin alpha-M, ITGAM) is a member of β2-integrin family and functions as adhesion, migration and phagocytic receptor for myeloid cells. CD11b non-covalently associates with CD18 to form Mac-1 complex, predominantly expressed on monocytes, macrophages, granulocytes and dendritic cells. Mac-1 recognizes diverse ligands including iC3b and fibrinogen, mediating leukocyte-endothelium adhesion to support myeloid recruitment toward inflammatory foci. It also mediates complement-dependent phagocytosis and modulates immune cell activation and cytokine secretion. CD11b is a canonical myeloid cell surface marker, applied for immune subset discrimination and mechanistic research on inflammation, autoimmune disorders and tumor immune microenvironment.