

# CD11B/Integrin Alpha M Polyclonal antibody

Catalog Number: 20991-1-AP

21 Publications

## Basic Information

<b>Catalog Number:</b> 20991-1-AP	<b>GenBank Accession Number:</b> NM_000632	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 540 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3684	
<b>Source:</b> Rabbit	<b>Full Name:</b> integrin, alpha M (complement component 3 receptor 3 subunit)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 93 kDa	
	<b>Observed MW:</b> 110-170 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human

**Cited Species:**  
human

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated  $\alpha$  and  $\beta$  subunits (PMID: 9779984). CD11b, also known as Integrin alpha M or CR3A, belongs to the integrin alpha chain family. CD11b forms an  $\alpha/\beta$  heterodimer with CD18 (integrin  $\beta 2$ ). CD11b/CD18 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles and pathogens (PMID: 9558116; 20008295). CD11b/CD18 is a receptor for the complement protein fragment iC3b, and is also a receptor for fibrinogen, factor X and ICAM1 (PMID: 2971974; 15485828).

## Notable Publications

Author	Pubmed ID	Journal	Application
Hua-Zhen Xu	34488792	J Nanobiotechnology	IHC
Shen-Jun Yuan	31623629	J Nanobiotechnology	IF
Moran Guo	31726090	Brain Res Bull	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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Selected Validation Data