

CD11b (PT0631R) PT® Rabbit mAb

CatalogNo: YM8440 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IHC, IF, IP, ELISA

MW

- 127kD (Calculated)
170kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IHC 1:4000-1:20000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PT0631R

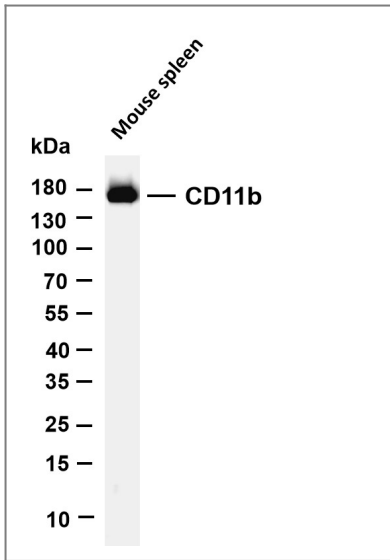
Immunogen Information

Specificity Endogenous

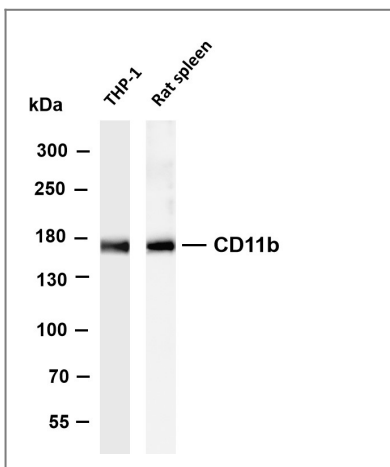
| Target Information

Gene name	ITGAM CD11B CR3A		
Protein Name	Integrin alpha-M (CD11 antigen-like family member B) (CR-3 alpha chain) (Cell surface glycoprotein MAC-1 subunit alpha) (Leukocyte adhesion receptor MO1) (Neutrophil adherence receptor) (CD antigen CD11b)		
	Organism	Gene ID	UniProt ID
	Human	3684 ;	P11215 ;
	Mouse		P05555 ;
Cellular Localization	Membrane		
Tissue specificity	Predominantly expressed in monocytes and granulocytes (PubMed:1346576). Expressed in neutrophils (at protein level) (PubMed:21193407).		
Function	Disease:Genetic variations in ITGAM has been associated with susceptibility to systemic lupus erythematosus type 6 (SLEB6) [MIM:609939]. Systemic lupus erythematosus (SLE) is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.,Domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.,Function:Integrin alpha-M/beta-2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. It is identical with CR-3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the R-G-D peptide in C3b. Integrin alpha-M/beta-2 is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 1 VWFA domain.,similarity:Contains 7 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. Alpha-M associates with beta-2.,tissue specificity:Predominantly expressed in monocytes and granulocytes.,		

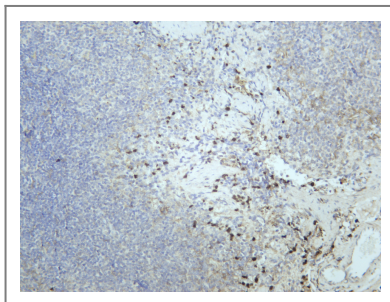
| Validation Data



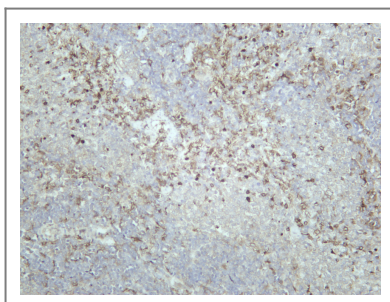
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD11b antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse spleen Predicted band size: 127kDa Observed band size: 170kDa



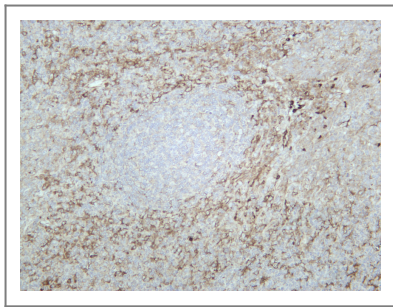
Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-CD11b (PT0631R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: THP-1 Lane 2: Rat spleen Predicted band size: 127kDa Observed band size: 170kDa



Mouse spleen was stained with anti-CD11b rabbit antibody



Rat spleen was stained with anti-CD11b rabbit antibody



Human tonsil was stained with anti-CD11b rabbit antibody

| Contact information

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Please scan the QR code
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CD11b (PT0631R)
PT® Rabbit mAb

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