

Basic Information

Product Name	Anti-CD11B/Integrin Alpha M/ITGAM Antibody (Clone#GC-9)	
Gene Name	ITGAM	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human CD11b	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	170 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

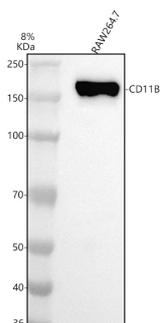
Background Information

Integrin alpha M (ITGAM) is one protein subunit that forms the heterodimeric integrin alpha-M beta-2 (α M β 2) molecule, also known as macrophage-1 antigen (Mac-1) or cluster of differentiation molecule 11B (CD11B). It is mapped to 16p11.2. ITGAM has a role in vascular repair after mechanical arterial injury. It is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. What's more, ITGAM probably recognizes the R-G-D peptide in C3b, and it is also a receptor for fibrinogen, factor X and ICAM1.

Reference

Anti-CD11B/Integrin Alpha M/ITGAM Antibody (Clone#GC-9)被引用在27文献中。

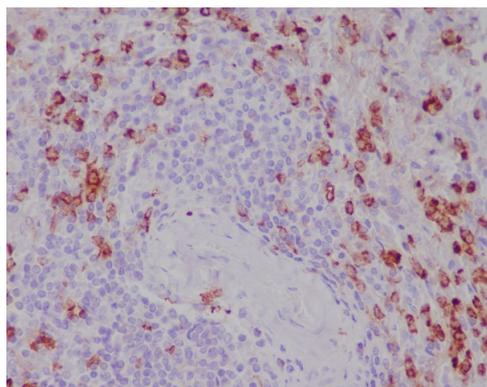
Selected Validation Data



Western blot analysis of anti-CD11B/Integrin Alpha M/ITGAM antibody (BM3925). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD11B/Integrin Alpha M/ITGAM antigen affinity purified monoclonal antibody (BM3925) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD11B/Integrin Alpha M/ITGAM at approximately 170 kDa. The expected band size for CD11B/Integrin Alpha M/ITGAM is at 127 kDa.



Immunohistochemical analysis of paraffin-embedded human spleen, using CD11b Antibody.