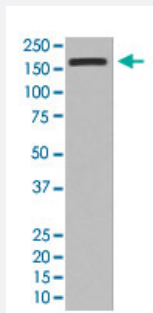


ITGAM monoclonal antibody, clone GC-9

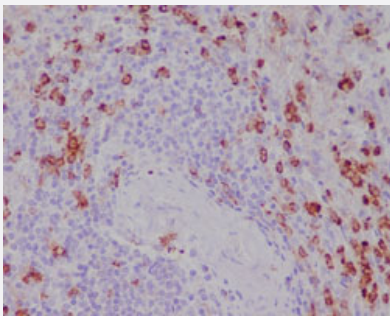
Catalog # MAB19659 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of RAW2647 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human spleen.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ITGAM.
Immunogen	A synthetic peptide corresponding to human ITGAM.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage	Immunocytochemistry (1:50-200) Immunofluorescence (1:50-200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of RAW2647 cell lysate.

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Immunohistochemical staining of human spleen.

- Immunocytochemistry

- Immunofluorescence

Gene Info — ITGAM

Entrez GeneID	3684
Protein Accession#	P11215
Gene Name	ITGAM
Gene Alias	CD11B, CR3A, MAC-1, MAC1A, MGC117044, MO1A, SLEB6
Gene Description	integrin, alpha M (complement component 3 receptor 3 subunit)
Omim ID	120980
Gene Ontology	Hyperlink

Gene Summary

This gene encodes the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

antigen CD11b (p170)|complement component receptor 3, alpha|integrin alpha M|macrophage antigen alpha polypeptide|neutrophil adherence receptor alpha-M subunit

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Hematopoietic cell lineage](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Macular Degeneration](#)
- [Nephritis](#)
- [Stomach Ulcer](#)