CD11b / MAC-1 (Microglial Marker) Antibody

Mouse Monoclonal Antibody [Clone ITGAM/271]

Catalog No	Format	Size
3684-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3684-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3684-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

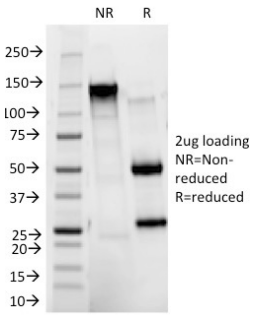
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	ITGAM/271
Gene Name	ITGAM
Immunogen	Recombinant full-length human ITGAM protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	95kDa & 170kDa
Cellular Localization	Cell membrane, Membrane raft
Species Reactivity	Human
Positive Control	Human monocytes & granulocytes. Human lymph nodes and tonsils.

**Optimal dilution for a specific application should be determined.*

Product Images for CD11b / MAC-1 (Microglial Marker) Antibody



SDS-PAGE Analysis of Purified CD11b Mouse Monoclonal Antibody (ITGAM/271). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

CD11b is a cell adhesion molecule that acts as a receptor for cell surface ligands such as intracellular adhesion molecules (ICAMs) or soluble ligands. Integrins are heterodimeric proteins that contain an a chain and b chain. Integrin aM combines with the Integrin '2 to form a leukocyte-specific integrin referred to as macrophage receptor 1 (Mac-1), or inactivated-C3b (iC3b) receptor 3 (CR3). Integrin aM/'2 is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. The protein CD11b has been implicated in the various adhesion-related interactions of cells such as monocytes, macrophages, natural killer (NK) cells, and granulocytes. It is part of a heterodimer that consists of CD11b andCD18. It also modulates the uptake of complement-coated particles within the cell. It is commonly used as a microglial marker in tissues derived from the nervous system.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Cardiovascular, Complement System, Cytokine Signaling, Dendritic Cell Marker, Hematopoietic Stem Cells, Immunology, Mesenchymal Stem Cell Differentiation, Neuroscience

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.