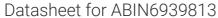
antibodies - online.com







anti-CD11b antibody (AA 941-1074)



Images



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Overview	
Quantity:	100 μg
Target:	CD11b (ITGAM)
Binding Specificity:	AA 941-1074
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD11b antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Staining Methods (StM)
Product Details	
Immunogen:	Recombinant fragment (around aa941-1074) of human ITGAM protein (exact sequence is proprietary)
Clone:	ITGAM-3338

Isotype:

IgG1 kappa

Purification:

Purified by Protein A/G

Target Details

Target:	CD11b (ITGAM)
Alternative Name:	ITGAM (ITGAM Products)
Background:	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.

Molecular Weight:	95kDa & 170kDa	
Gene ID:	3684	
UniProt:	P11215	
Pathways:	Apoptosis, Activation of Innate immune Response, Toll-Like Receptors Cascades, Activated T Cell Proliferation	

Application Details

Application Notes:	Positive Control: Monocytes & granulocytes. Lymph nodes, spleen and tonsil (IHC).
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Known Application: Western Blot (0.5-1.0 μ g/mL),Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

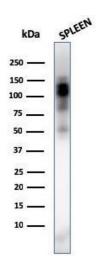
Handling

Storage Comment:	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 hozardous. No MSDS required

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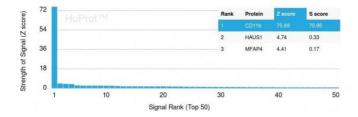
Expiry Date: 24 months

Images



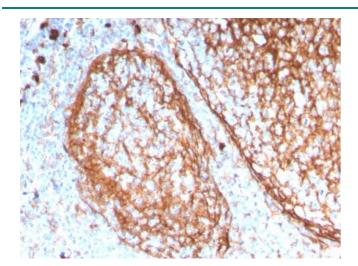
Western Blotting

Image 1. Western Blot Analysis of spleen tissue lysate using Monospecific Mouse Monoclonal Antibody (ITGAM/3338).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using CD11b Monospecific Mouse Monoclonal Antibody (ITGAM/3338). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-lgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. Sscore therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human tonsil stained with CD11b Monospecific Mouse Monoclonal Antibody (ITGAM/3338).

Please check the product details page for more images. Overall 5 images are available for ABIN6939813.