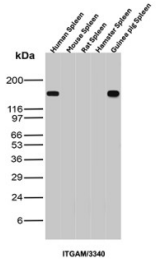
CD11b Antibody ITGAM/3340 / MAC-1 [clone ITGAM/3340] (V7887)

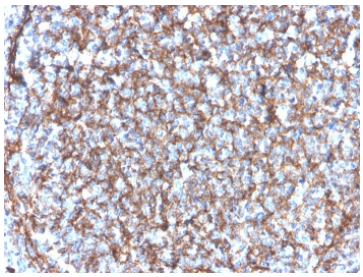
Catalog No.	Formulation	Size
V7887-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7887-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7887SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

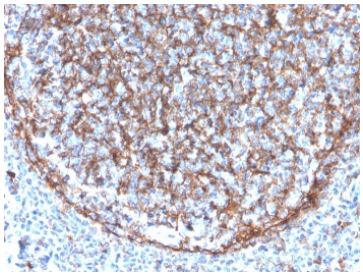
Availability	1-3 business days
Species Reactivity	Human, Guinea pig
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	ITGAM/3340
Purity	Protein G affinity chromatography
UniProt	P11215
Localization	Cell membrane, cytoplasm
Applications	Western blot: 1-2ug/ml (Human/Guinea pig) Immunohistochemistry (FFPE): 1-2ug/ml (Human)
Limitations	This CD11b Antibody ITGAM/3340 is available for research use only.



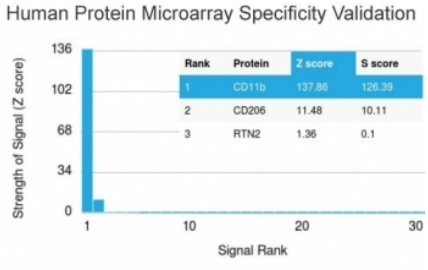
CD11b Antibody ITGAM/3340 WB. Western blot testing of spleen tissue lysate with CD11b antibody (clone ITGAM/3340). Expected molecular weight: 127~170 kDa depending on glycosylation level.



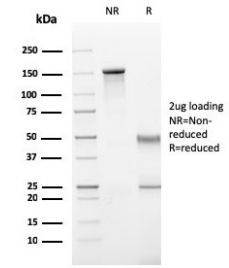
IHC staining of FFPE human tonsil with CD11b antibody (clone ITGAM/3340). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil with CD11b antibody (clone ITGAM/3340). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD11b antibody (clone ITGAM/3340). These results demonstrate the foremost specificity of the ITGAM/3340 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free CD11b antibody (clone ITGAM/3340) as confirmation of integrity and purity.

Description

CD11b Antibody ITGAM/3340 detects CD11b, 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.

See our CD11b Antibody ITGAM/3338 page for a monoclonal antibody targeting the ITGAM alpha chain.

Application Notes

Optimal dilution of the CD11b Antibody ITGAM/3340 should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 941-1074) was used as the immunogen for this CD11b Antibody ITGAM/3340.

Storage

Store the CD11b Antibody ITGAM/3340 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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