

Product datasheet for **TA363844**

Itgam Rat Monoclonal Antibody [Clone ID: M1/70]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M1/70
Applications:	ELISA, IHC
Recommended Dilution:	Each lot of this antibody has been tested and validated for immunohistochemistry (IHC), frozen and paraffin sections. Has also been described to work in FACS, western blotting and immune precipitation. Approximate working dilution for IHC: Frozen sections: 5µg/ml (1:100) Paraffin sections: does not react on routinely processed paraffin sections. Optimal dilutions should be determined by the end user. Suggested positive control: Mouse spleen.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	T-cell enriched splenocytes from B10 mice.
Specificity:	Mouse: monocytes, macrophages, granulocytes, endothelial and NK cells. Other species: human.

Epitope: The antigen is an epitope of the CD11b integrin on the α m chain.

Distribution: Isolated cells: Granulocytes, monocytes: antigen expression increases with cell maturation.

Formulation:	Affinity purified from ascitic fluid, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.5mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.05% (v/v) Kathon CG as a preservative.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Original vial: 6 months at 4° - 8°C.
Gene Name:	integrin alpha M
Database Link:	Entrez Gene 16409 Mouse P05555



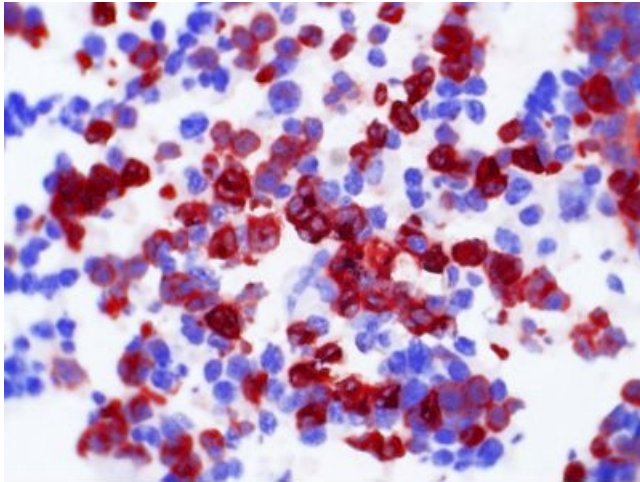
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Background:

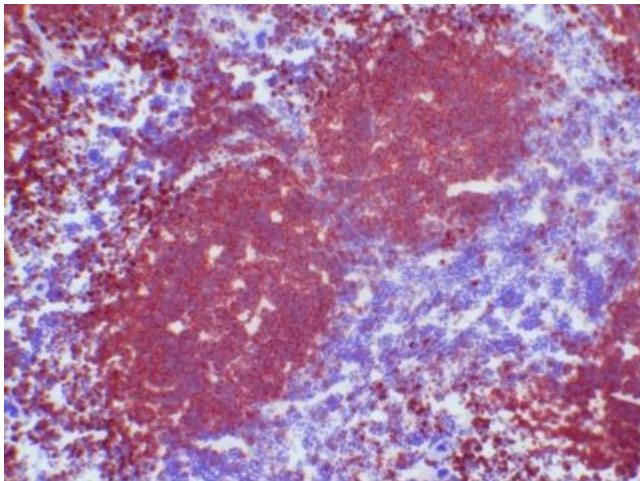
Monoclonal antibody M1/70 is useful for detecting CD11b on myeloid cells and for myeloid-endothelial cell interaction studies. The antibody detects the 170kDa α subunit of Mac-1 which mediates adhesion to ICAM-1 (CD54) and C3bi. Mac-1 is expressed on granulocytes, macrophages, natural killer cells, and B-1 cells in the peritoneal and pleural cavities. Mac-1 is up-regulated on neutrophils after activation. This particular clone blocks cell adherence and C3bi binding but does not block cell mediated lysis. It has been used for the characterisation of LFA-1 immunodeficiency.

Synonyms:

CD11B; CR3A; MAC-1; MAC1A; MGC117044; MO1A; SLEB6

Product images:

TA363844, Clone M1/70, mouse spleen, frozen section



TA363844, Clone M1/70, mouse spleen, frozen section