



20180406BB

Anti-Mouse ICAM-1 (#MAB0802)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M97
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with cytokine stimulated mouse endothelial cells. IgG fraction of the culture supernatant was purified by Protein A/G affinity chromatography. ICAM-1, a 95 kDa surface antigen found on endothelial cells, lymphocytes, epithelial cells, dendritic cells, and keratinocytes. ICAM-1 is a ligand for LFA-1 (CD11a/CD18) and MAC-1 (CD11b/CD18). Its expression is up regulated upon stimulation by inflammatory mediators such as cytokines and LPS and it's involved in B cell T-cell co-stimulatory interactions.

Target Background

Synonyms (Target):	Icam1; CD54; Ly-47; Icam-1; MALA-2
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Intercellular adhesion molecule 1 (ICAM-1), also known as CD54, binds the leukocyte integrins LFA-1 and Mac-1. ICAM-1 expression is weak on leukocytes, epithelial and resting endothelial cells, as well as some other cell types, but expression can be stimulated by IFN-gamma, TNF-alpha, IL-1 beta and LPS. Soluble ICAM-1 is found in a biologically active form in serum, probably as a result of proteolytic cleavage from the cell surface.

Database References Target

Protein RefSeq:	NP_034623.1
Uniprot ID:	P13597
mRNA RefSeq:	NM_010493.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#MAB0802)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	Cytokine stimulated Mouse Endothelial cells
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect mouse ICAM-1.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

IHC (P), FC

Recommended usage:

Flow cytometry: 1:100 - 1:1000

Immunohistochemistry: 1:500 - 1:2000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!



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Application/Handling

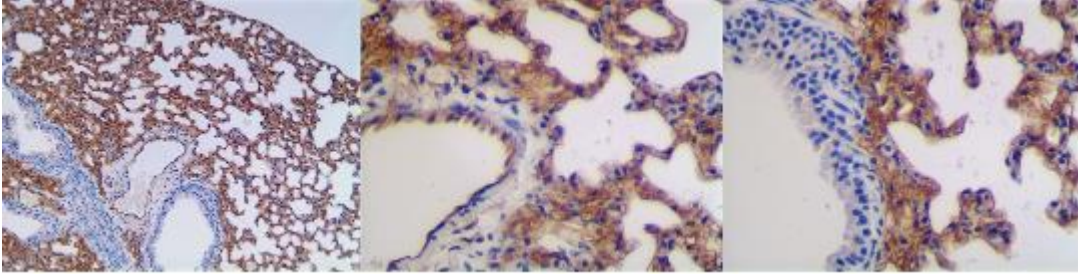


Fig. 1: 4% PFA fixed and paraffin embedded mouse lung tissue (LPS treated) section was subjected to IHC staining using 103-M97.