



20150218ML

# Anti-Mouse ICAM-1 (#MAB0802)

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

<b>Cat.-no.:</b>	<b>103-M97</b>
Size:	200 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

<b>Synonyms (Target):</b>	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

<b>Protein RefSeq:</b>	NP_034623.1
<b>Uniprot ID:</b>	P13597
<b>mRNA RefSeq:</b>	NM_010493.2

## Product Specifications

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

**Reconstitution:** Reconstitute the antibody with 400 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

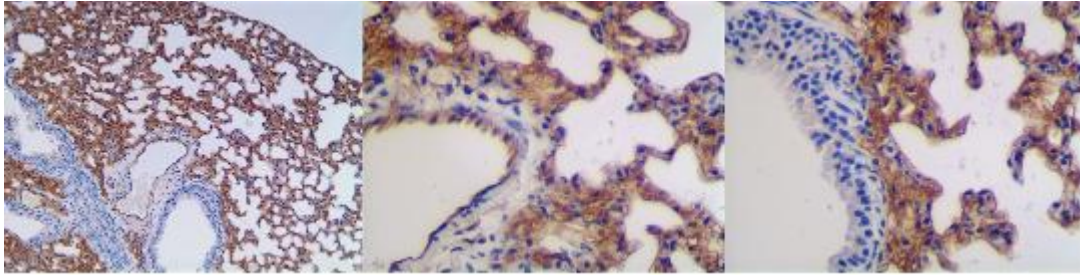
**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**



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### Application/Handling



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