

Product datasheet for **SM010A**

Icam1 Hamster Monoclonal Antibody [Clone ID: 3E2B]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3E2B
Applications:	ELISA, FC, FN, IHC
Recommended Dilution:	Flow cytometry: 50µg/ml, Use 5µl of the suggested working dilution to label 10e6 cells in 100µl. Immunohistochemistry on frozen sections. ELISA. Functional assays.
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Specificity:	This antibody reacts with ICAM-1 (CD54) present on T-cells, B-cells, monocytes and endothelial cells.
Formulation:	Sterile filtered PBS State: Azide Free State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	intercellular adhesion molecule 1
Database Link:	Entrez Gene 15894 Mouse P13597



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Background:

ICAM1 is a 85-110 kDa single chain type 1 integral membrane glycoprotein with an extracellular domain of five immunoglobulin superfamily repeats, a transmembrane region and a cytoplasmic domain. It shares considerable amino acid sequence homology with ICAM3 and with ICAM2. ICAM1 is expressed by activated endothelial cells. It is detected on cells of many other lineages (e.g. epithelial cells, fibroblasts, chondrocytes, B lymphocytes, T lymphocytes (low), monocytes, macrophages, dendritic cells and neutrophils), with lower levels that increase in inflammation. ICAM1 is also detected in some carcinoma and melanoma cells. Soluble ICAM1 is detectable in the plasma and is elevated in patients with various inflammatory syndromes. It is the receptor for rhinoviruses and malaria.

Synonyms:

ICAM-1