

Product datasheet for **SM1138P**

ICAM1 Mouse Monoclonal Antibody [Clone ID: 84H10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	84H10
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 10e6 cells in 100 µl. Immunohistochemistry on Frozen Sections (1/20-1/50). Immunoprecipitation: 5 µg/10 ⁷ cells. Removal of Sodium Azide is recommended prior to use in functional assays.
Reactivity:	Canine, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	K562 cell line. Spleen cells from immunised BALB/c mice were fused with cells of the MOPC 315 mouse myeloma cell line.
Specificity:	This antibody recognizes the D1 domain of ICAM-1. It reacts with the ICAM-1 antigen found in low levels on lymphocytes and strongly expressed on monocytes and granulocytes. This molecule is inducible to high levels by mitogenic lectins on lymphocytes and by IL-1 beta or IFN gamma on other cell types such as fibroblasts and endothelial cells. Detects an antigen of 90kD. Clone 84H10 has been reported to block ICAM1 mediated cellular adhesion and block binding of LFA-1 and <i>P. falciparum</i> to ICAM-1.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated



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Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	intercellular adhesion molecule 1
Database Link:	Entrez Gene 3383 Human P05362
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