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ICAM1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1383a

Product Information

Application	WB, E
Primary Accession	P05362
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6G12
Isotype	IgG1
Calculated MW	57825
Description	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.
Immunogen	Purified recombinant fragment of human ICAM1(28-480aa) expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	3383
Other Names	Intercellular adhesion molecule 1, ICAM-1, Major group rhinovirus receptor, CD54, ICAM1
Dilution	WB~~1/500 - 1/2000 E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ICAM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ICAM1
Function	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation.
Cellular Location	Membrane; Single-pass type I membrane protein.

References

1. J Neurosci Res. 1992 Feb;31(2):365-74. 2. J Cell Biol. 2002 Jun 24;157(7):1233-45. 3. J Hepatol. 2004 Mar;40(3):375-9.

Images

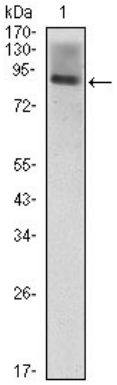

Figure 1: Western blot analysis using ICAM1 mouse mAb against ICAM1(AA: 28-480)-hIgGFc transfected HEK293 (1) cell lysate.

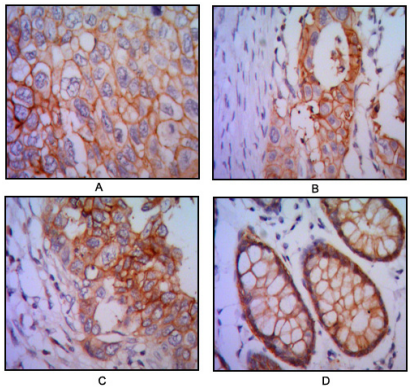

Figure 2: Immunohistochemical analysis of paraffin-embedded human lung cancer (A), colon cancer (B), breast cancer (C) and rectal cancer(D), using EPCAM mouse mAb with DAB staining.