

Product datasheet for **SM286P**

Icam1 Mouse Monoclonal Antibody [Clone ID: 1A29]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1A29
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Immunoprecipitation. Flow Cytometry: Use 10 µl of 1/25-1/50 diluted antibody to label 10e6 cells in 100 µl. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections (Requires antigen retrieval using heat treatment prior to staining of paraffin sections). Western Blotting.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Ax cells (a HEV derived cell line).
Specificity:	This antibody recognizes the CD54 cell surface antigen, also known as intercellular adhesion molecule-1 (ICAM-1). Studies suggest that cross-linking of ICAM-1 using clone 1A29 induces calcium signalling. (Etienne, S. et al.) Functionally 1A29 inhibits homotypic aggregation of PHA blasts. We recommend SM286LE for use in functional studies.
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody 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.



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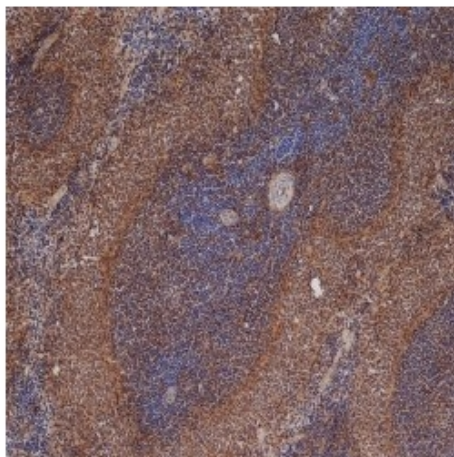
Gene Name: intercellular adhesion molecule 1

Database Link: [Entrez Gene 25464 Rat Q00238](#)

Background: CD54 is a 90kD adhesion molecule belonging to the immunoglobulin superfamily. CD54 is a cell surface ligand of the lymphocyte integrin, LFA-1 and is known to play an important role in various cell-cell interactions in the immune system.

Synonyms: ICAM-1

Product images:



CD54 Antibody Staining of Frozen Rat Spleen