

## Product datasheet for **SM286PS**

### Icam1 Mouse Monoclonal Antibody [Clone ID: 1A29]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1A29
Applications:	FC, IHC, IP, WB
Recommended Dilution:	<b>Immunoprecipitation.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/25-1/50 diluted antibody to label 10e6 cells in 100 µl. <b>Immunofluorescence.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections</b> (Requires target unmasking). <b>Western Blotting.</b>
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Ax cells (a HEV derived cell line).
Specificity:	This antibody recognises 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.) <b>Functionally 1A29 inhibits homotypic aggregation of PHA blasts. We recommend the use of SM286LE for use in functional studies.</b>
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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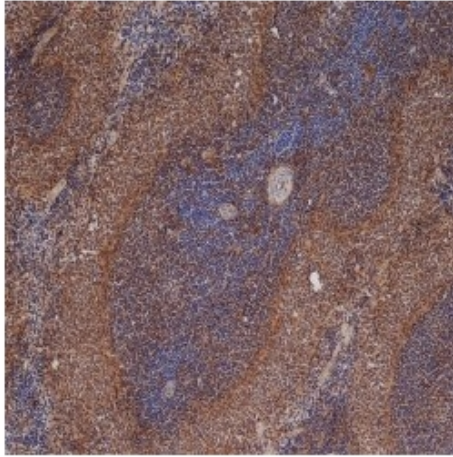
**Gene Name:** intercellular adhesion molecule 1

**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:**



SM286P CD54 Antibody Staining of Frozen Rat Spleen