

Product datasheet for **SM286LE**

Icam1 Mouse Monoclonal Antibody [Clone ID: 1A29]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1A29
Applications:	FC, FN, IHC, IP, WB
Recommended Dilution:	Western Blot. Functional Assays. Immunoprecipitation. Flow Cytometry: Use 10 µl of 1/25-1/50 diluted antibody to label 1 ⁰ cells in 100 µl. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections (Requires antigen retrieval using heat treatment prior to staining of paraffin sections).
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Ax cells (a HEV derived cell line). Spleen cells from immunised BALB/c mice were fused with cells from the PAI mouse myeloma cell line.
Specificity:	This antibody recognizes the CD54 cell surface antigen, also known as intercellular adhesion molecule-1 (ICAM-1). Recent studies suggest that cross-linking of ICAM-1 using clone 1A29 induces calcium signalling (See Etienne, S. et al.). Functionally 1A29 inhibits homotypic aggregation of PHA blasts.
Formulation:	PBS, pH 7.4 State: Low Endotoxin State: Liquid purified IgG fraction Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G



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Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) 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 25464 Rat Q00238
Background:	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