

Product datasheet for **BM2449P**

ICAM1 Mouse Monoclonal Antibody [Clone ID: MEM-112]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-112
Applications:	FC, IP
Recommended Dilution:	Flow cytometry: Recommended dilution: 0.5-4 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Burkitt's lymphoma cell line Raji
Specificity:	Clone MEM-112 reacts with CD54, a 85-110 kDa type I transmembrane glycoprotein (receptor for rhinovirus).
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Purified State: Liquid IgG fraction
Concentration:	lot specific
Purification:	Protein A affinity chromatography (> 95% by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store at 2-8°C for up to one month or at -20°C for longer. Avoid freeze/thaw cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	intercellular adhesion molecule 1
Database Link:	Entrez Gene 3383 Human P05362



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Background:

ICAM-1 (MW 90 kD) is a member of the C2 subset of immunoglobulin superfamily. It is a transmembrane molecule with 7 potential N-glycosylated sites, expressed on resting monocytes and endothelial cells and can be upregulated on many other cells, e.g. with lymphokines, on B- and T-lymphocytes, thymocytes, dendritic cells and also on keratinocytes, chondrocytes, as well as epithelial cells.

CD54 mediates cell adhesion by binding to integrins CD11a/CD18 (LFA-1) and to CD11b/CD18 (Mac-1). The interaction of CD54 with LFA-1 enhances antigen-specific T-cell activation.

Synonyms:

ICAM-1