



Product Datasheet
CD54 monoclonal antibody
Catalogue Code: AGIM0050

Antibody Data

Product SKU:	AGIM0050	Clone	MEM-111
Applications:	FC	Conjugate	Unconjugated
Reactivity:	Human, Rat, Bovine		

Immunogen Information:

Host Species: Mouse

Isotype: IgG2a

Storage: Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Background:

CD54 (ICAM-1) is a 90 kD 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.