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30-1018: Anti-CD54 / ICAM-1 Monoclonal Antibody (Clone:1H4)-Azide free

Clonality :	Monoclonal
Clone Name :	1H4
Application :	FACS, WB, IHC, IHC-Fr, ICC
Reactivity :	Human
Gene :	ICAM1
Gene ID :	3383
Uniprot ID :	P05362
Format :	Azide free
Alternative Name :	ICAM1
Isotype :	Mouse IgG2b
Immunogen Information :	Raji cells and spleen cells fused with NS1 cells

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Recommended dilution:* 1 ÃÂµg/ml
Western Blotting Immunohistochemistry *Recommended dilution:* 10 ÃÂµg/ml
Application Note: Prolonged fixation in buffered formalin can destroy the epitope. Hight temperature antigen unmasking technique is required **Immunohistochemistry (frozen sections)** *Recommended dilution:* 5-10 ÃÂµg/ml
Immunocytochemistry

For Research Use Only. Not for use in diagnostic/therapeutics procedures.