

11-625-C025

Monoclonal Antibody to CD54 (mouse) Purified Antibody (0.025 mg)

Clone:	YN1/1.7.4
Isotype:	Rat IgG2b
Specificity:	The rat monoclonal antibody YN1/1.7.4 reacts with CD54 (ICAM-1), a 85-110 kDa type I transmembrane glycoprotein expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells; the expression of CD54 is upregulated by activation.
Regulatory Status:	RUO
Immunogen:	Mouse NS-1 cells
Species Reactivity:	Mouse
Application:	Flow Cytometry Recommended dilution: 1 µg/ml Immunoprecipitation Western Blotting Application note:non-reducing conditions Immunohistochemistry (frozen sections) Application note:acetone fixation Immunocytochemistry Functional Application Blocking
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD54 (ICAM-1) 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.

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Antibodies References:

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*And many other.

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