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## FITC Mouse anti-Human CD54 Monoclonal Antibody

**CLX227F**

**Lot:** F0010105

**Size:** 100 Tests

**Clone:** 1H4

**Isotype:** Mouse IgG2b

**Specificity:** 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.

**Immunogen:** Raji cells and spleen cells fused with NS1 cells

**Species Reactivity:** Human, Other not tested

**Preparation:** The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.

**Storage Buffer:** The reagent is provided in phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.

*Continued Overleaf...*

For more information or to place an order please contact...

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**Storage / Stability:** Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.

**Usage:** The reagent is designed for Flow Cytometry analysis of human blood cells using 20 ml reagent / 100 ml of whole blood or  $10^6$  cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

**References:** Boyd, et.al., Proc. Nat. Acad. Sci. 85:3095-3099, 1988.  
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Barclay, et al., The Leukocyte Adhesion Facts Book pp. 224-225, 1993.

*This product is made available in collaboration with Exbio Praha a.s.*

**FOR RESEARCH USE ONLY.**

JV 08/02/06