

**anti-human CD54 FITC-conjugated****Cat-No.: H12192F                      1 ml****Clone:**1H4

**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 cell, e.g. with lymphokines, on B- and T-lymphocytes, thymocytes, dendritic cells and also on keratinocytes, chondrocytes, as well epithelial cell. 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.

**Isotype subclass:** Mouse IgG2b**Species Reactivity:** Human, Rat, Bovine**Form:** Purified IgG, FITC conjugated, free of unconjugated FITC.**Expiration date:** The reagent is stable until the expiry date stated on the vial label**Physical state:** Liquid**Buffer/Additives/Preservative:** PBS containing BSA and 15 mM sodium azide (pH 7.4)**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.**Application:** The reagent is designed for Flow Cytometry analysis of blood cells.**References:**

- Boyd, et al., Proc Nat. Acad. Sci. 85:3095-3099, 1988.  
Boyd, et al., Blood 73:1896-1903, 1989.  
Campbell et al., Proc. Nat. Acad. Sci. 86 :4282-4285, 1989.  
Simmons, et al., Nature 354:233-235, 1991.  
Springer, et al., Nature 346:624-627, 1990.  
Rosenstein, et al., Nature 354:233-235, 1991.  
Ochenhause, et al., Cell 68:63-69, 1992.  
Behrend, et al., Cell 68:63-69, 1992.  
Barclay, et al., The Leukocyte Adhesion Facts Book pp. 224-225, 1993

**Warning:**

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only.  
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