

anti-human CD54 PE-conjugated**Cat-No.: H12192P** **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 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.

Isotype subclass: Mouse IgG2b**Form:**

The purified antibody is conjugated with R-Phycoerythrin (R-PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid**Buffer/Additives/Preservative:** PBS containing BSA and 15 mM sodium azide (pH 7.4).**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.**Application:** The reagent is designed for Flow Cytometry analysis.**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 331:624-627, 1989
Springer, Nature 346:425-434, 1990
Rosenstein, et al., Nature 354:233-235, 1991

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.

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