

anti-human CD54 PE-conjugated

The antibody 1H4 reacts with CD54 (ICAM-1), a 85-110 kDa type I transmembrane glycoprotein (receptor for rhinovirus) expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells; the expression of CD54 is upregulated by activation.

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.

| | |
|----------------------------|--|
| Clone: | 1H4 |
| Isotype: | Mouse IgG2b |
| Species Reactivity: | Human, Rat, Bovine |
| Physical state: | Liquid for direct use |
| Form: | purified antibody conjugated with R-Phycoerythrin (R-PE) |
| Buffer: | PBS containing 1% BSA and 0.1% sodium azide (pH 7.4) |
| Storage: | Store at 4 °C. Do not freeze. Avoid prolonged exposure to light. |
| Application: | Flow Cytometry |
| Reference: | Boyd AW and othes: 1989 May 15;73(7):1896-903. Springer TA.: 1990 Aug 2;346(6283):425-34. Ockenhouse CF and othes: 1992 Jan 10;68(1):63-9. |
| Quantity: | 1.0 ml |
| Order N°: | H12192P |

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).

This material is offered for **research only**. Not for use in human. For in vitro use only. EuroBioSciences will not be held responsible for patent infringement or other violations that may occur with the use of our products.