

## Datasheet

### ICAM1 monoclonal antibody, clone 1H4 (PE)

**Catalog Number:** MAB5088

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native ICAM1.

**Clone Name:** 1H4

**Immunogen:** Native purified ICAM1 from Raji cells and spleen cells fused with NS1 cells.

**Host:** Mouse

**Theoretical MW (kDa):** 85-110

**Reactivity:** Human

**Applications:** Flow Cyt

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This antibody 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.

**Form:** Liquid

**Conjugation:** PE

**Isotype:** IgG2b

**Recommend Usage:** Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10<sup>6</sup> cells in a suspension)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.2% BSA, 0.09% sodium

azide)

**Storage Instruction:** Store in the dark at 4 °C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3383

**Gene Symbol:** ICAM1

**Gene Alias:** BB2, CD54, P3.58

**Gene Summary:** This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq]

#### References:

1. Interactions of decay-accelerating factor (DAF) with haemagglutinating human enteroviruses: utilizing variation in primate DAF to map virus binding sites. Williams DT, Chaudhry Y, Goodfellow IG, Lea S, Evans DJ. J Gen Virol. 2004 Mar;85(Pt 3):731-8.
2. Plasmodium falciparum-infected erythrocytes bind ICAM-1 at a site distinct from LFA-1, Mac-1, and human rhinovirus. Ockenhouse CF, Betageri R, Springer TA, Staunton DE. Cell. 1992 Jan 10;68(1):63-9.
3. Adhesion receptors of the immune system. Springer TA. Nature. 1990 Aug 2;346(6283):425-34.