

## Datasheet

### ICAM1 monoclonal antibody, clone MEM-111 (PE)

**Catalog Number:** MAB4641

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

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

**Clone Name:** MEM-111

**Immunogen:** Native purified ICAM1 from Raji Burkitt's lymphoma cell line.

**Host:** Mouse

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

**Reactivity:** Bovine, Human, Rat

**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). The expression of CD54 is upregulated by activation; it is expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells.

**Form:** Liquid

**Conjugation:** PE

**Isotype:** IgG2a

**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. Susceptibility of immature and mature Langerhans cell-type dendritic cells to infection and immunomodulation by human cytomegalovirus. Hertel L, Lacaille VG, Strobl H, Mellins ED, Mocarski ES. J Virol. 2003 Jul;77(13):7563-74.
2. Colon carcinoma cell glycolipids, integrins, and other glycoproteins mediate adhesion to HUVECs under flow. Burdick MM, McCaffery JM, Kim YS, Bochner BS, Konstantopoulos K. Am J Physiol Cell Physiol. 2003 Apr;284(4):C977-87. Epub 2002 Dec 11.
3. Eotaxin-2 alters eosinophil integrin function via mitogen-activated protein kinases. Tachimoto H, Kikuchi M, Hudson SA, Bickel CA, Hamilton RG, Bochner BS. Am J Respir Cell Mol Biol. 2002 Jun;26(6):645-9.