



Product Information Sheet

Polyclonal Anti-CD54 (ICAM-1)

Catalogue No. PA1110

Lot No. 03A01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

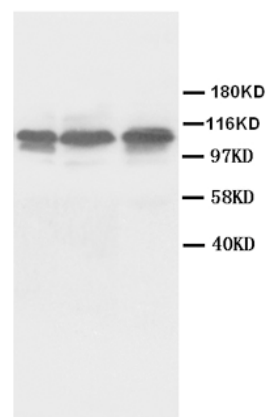
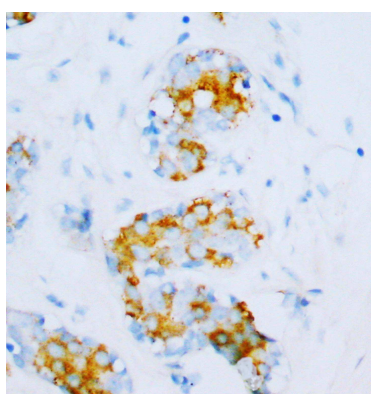
Human

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)



Lane 1 : MM231 Whole Cell Lysate
Lane 2 : HeLa Whole Cell Lysate
Lane 3 : SW620 Whole Cell Lysate

Immunogen

A peptide mapping at the C-terminal region of the human ICAM-1. identical to the related rat and mouse sequence

Purity

Immunogen affinity purified.

Application

Western blot

At 1-2µg/ml with the appropriate system to detect CD54 in cells and tissues.

Immunohistochemistry(P)

At 1-2µg/ml to detect CD54 in formalin fixed and paraffin embedded tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

BACKGROUND

CD54, also known as ICAM-1. Intercellular adhesion molecule-1 (ICAM1) is a ligand for lymphocyte function-associated (LFA) antigens. Intercellular adhesion molecule-1 (ICAM-1) is an integral membrane protein, a member of the immunoglobulin superfamily, and a ligand for LFA-1, a beta 2 leukocyte integrin. ICAM1 protein is the major human rhinovirus receptor. ICAM1 gene is mapped to human chromosome 19. In humans, lymphocyte adhesion to cells is mediated by the protein heterodimer CD11a/CD18 (Leu-CAMa, LFA-1) and its ligand CD54 (ICAM-1).

REFERENCE

1. Ballantyne, C. M.; Kozak, C. A.; O'Brien, W. E.; Beaudet, A. L. : Assignment of the gene for intercellular adhesion molecule-1 (Icam-1) to proximal mouse chromosome 9. *Genomics* 9: 547-550, 1991.
2. Greve, J. M.; Davis, G.; Meyer, A. M.; Forte, C. P.; Yost, S. C.; Marlor, C. W.; Kamarck, M. E.; McClelland, A. : The major human rhinovirus receptor is ICAM-1. *Cell* 56: 839-847, 1989.
3. Prieto, J.; Takei, F.; Gendelman, R.; Christenson, B.; Biberfeld, P.; Patarroyo, M. : MALA-2, mouse homologue of human adhesion molecule ICAM-1 (CD54). *Europ. J. Immun.* 19: 1551-1557, 1989.