

CD54, Intracellular Adhesion Molecule-1, ICAM-1, clone MEM 112 Monoclonal Antibody

Catalog No.: MON1133

Quantity: 1 ml

Specificity

This antibody reacts with human broadly expressed adhesive molecule ICAM-1, the 90 kD glycoprotein Intracellular Adhesion Molecule-1 (CD54). The adhesion molecule ICAM-1 belongs to the immunoglobulin family. It is a ligand for the integrin LFA-1. Immunogen originated from Raji cell line.

Immunoglobulin type

Murine IgG₁

Use

This antibody is useful for studies on ICAM-1 expression. Antibodies MEM-111 and MEM-112 cross inhibit binding of each other to ICAM-1 expressing cells. This antibody can be used for immunoisolation of the antigen and immunostaining of CD54 positive cells. It will react with the soluble form of CD54 as present in serum. It is suitable on frozen and paraffin embedded sections.

Instructions for use

The antibody is useful for staining of in vitro cultured cells and for staining of frozen sections by means of immunofluorescence. In vitro cultured cells can be fixed with 1% paraformaldehyde and kept in PBS plus azide before staining.

It is also applicable in immunohistochemistry (frozen and paraffin sections).

For use on paraffin sections a pretreatment is needed (citric buffer with microwave is possible). For paraffin sections a dilution of 1:20-1:50 is advised for use in frozen sections a dilution of 1:100 is advised, but optimal dilutions should be tested by serial dilution. For positive control normal lung tissue and lung emphysema tissue is recommended.

Presentation

1.0 ml antibody solution contains 0.1% azide.

Literature

- Leeuwenberg, J.F.M., et al., 1992, Immunology 77, 543-549.

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