

CD56, Small Cell Lung Carcinoma, SCLC, NCAM, clone MOC-1 Monoclonal Antibody

Catalog No.: MON 9010

Quantity: 1 ml

Specificity

This monoclonal antibody directed against CD56, NCAM, reacts with small cell lung carcinoma (SCLC) cells and with a minority of adenocarcinomas of the lung. The antibody is not reactive with squamous cell carcinoma, large cell and the majority of adenocarcinomas of the lung. In addition the antibody is not reactive with all kinds of lymphoma's. The antibody reacts in immunoblot with a 145 kD protein present on neuro-endocrine and neural derivatives.

The antigen was isolated from: small cell lung carcinoma derived cell line

Immunoglobulin type

Murine IgG₁

Use

The differential diagnosis between SCLC and non-SCLC has major clinical importance. In addition SCLC and Lymphocytic Lymphoma are sometimes difficult to distinguish. Therefore the anti-SCLC antibody is especially useful for the identification of metastatic SCLC cells in cytologic preparations made from bone marrow, pleural exsudate or lymph node biopsies.

Recommended for positive control: Brain/adrenal gland

Instructions for use

The antibody is applicable on frozen sections and on cell suspensions after fixation with acetone for 10 min. at room temp. Advised working dilution: 1:5 - 1:10 in 0.15 M. PBS with 1% BSA. For use on paraffin embedded tissue a microwave antigen retrieval technique must be used. Using this antigen retrieval technique this antibody distinguishes between cells from mesothelial or epithelial origin.

Presentation

1 ml tissue culture supernatant with 0.09% sodium azide.

Literature

- De Ley, L.F.M.H., et al., 1987, Eur. J. Respir. Dis. Suppl. 149, Vol. 70.
- Berendsen, H.H., et al., 1989, J. Clin. Oncol. 7, 1614-1620.
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- De Ley, L.F.M.H. et al., 1985, Neth. J. Med. 28, 119-123.
- De Ley, L.F.M.H. et al., 1985, Cancer Research 45, 2192-2200.
- Berendsen, H.H., et al., 1988, J. Clin. Pathol. 41, 273-276.

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