

Monoclonal antibody against human CD9

Product Nos. ADG5002 and ADG5002L

Description

CD9 belongs to proteins of tetraspanin family that orchestrate cholesterol-associated tetraspanin-enriched signaling microdomains within the plasma membrane, forming complexes with each other as well as with integrins, membrane-anchored growth factors and other proteins. CD9 is involved in cell motility, osteoclastogenesis, neurite outgrowth, myotube formation, and sperm-egg fusion, plays roles in cell attachment and proliferation and is necessary for association of heterologous MHC II molecules on the dendritic cell plasma membrane which is important for effective T cell stimulation. CD9 is also considered as metastasis suppressor in solid tumors.

Properties

The monoclonal antibody ADG5002/L (clone MEM-16) is a murine monoclonal antibody, subclass IgG₁ recognizing human CD9. The antibody has been purified from cell culture supernatant using Protein A affinity chromatography, Purity > 95% (by SDS-PAGE)

Specificity

The antibody recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa single transmembrane polypeptide expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes. HLDA VI; WS Code P P-15.

Presentation

Vial containing 100 µg /100 µl (ADG5002) or 300 µg/300 ml (ADG5002L) of purified antibody in PBS containing 0.09 % sodium azide (pH 7.2). The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store at 4 °C. For long-term storage aliquot and store at -20°. It is recommended to avoid freeze-thaw cycles. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow Cytometry
Immunoprecipitation
Western Blotting: non reducing conditions

References

Leukocyte Typing VI. Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997).

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Hinweis/Note:

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