

## Monoclonal antibody against human CD9 PE conjugated

Product Nos. ADG5009 and ADG5009L

### 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 ADG5009/L (clone HI9a) is a murine monoclonal antibody, subclass IgG<sub>1</sub> recognizing human CD9. The antibody has been purified from cell culture supernatant using Protein G affinity chromatography.

The purified antibody is conjugated with R-Phycoerythrin (R-PE) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

### Specificity

The antibody HI9a recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes.

### Presentation

Vial containing 500 µl (ADG5009) or 2 ml (ADG5009L) of purified antibody in PBS containing 1% BSA and 0.09% sodium azide (pH 7.2). The IgG concentration is 0.5 mg/ml. Spin the vial briefly before opening.

### Storage and Stability

Store at 4 °C. Avoid prolonged exposure to light. The reagent is stable until the expiry date stated on the vial label.

### Applications

Flow Cytometry

### References

Schlossman S., L. Bloumsell, W. Gilks, et al., eds. 1995. Leucocyte Typing V : White Cell Differentiation Antigens. P : 246 Oxford University Press, New York.

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### Hinweis/Note:

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