

Monoclonal antibody against human CD9

Product Nos. ADG5006 and ADG5006L

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 ADG5006/L (clone HI9a) is a murine monoclonal antibody, subclass IgG₁ recognizing human CD9. The antibody has been purified from cell culture supernatant using Protein G affinity chromatography, Purity > 95% (by SDS-PAGE)

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 tivated T lymphocytes.

Presentation

Vial containing 100 µg /100 µl (ADG5006) or 300 µg/300 ml (ADG5006L) 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°C. It is recommended to avoid freeze-thaw cycles. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow Cytometry
Immunohistochemistry (acetone-fixed frozen sections)

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.

Distributed by:

LOXO GMBH

IMMUNOLOGIE • MOLEKULARBIOLOGIE
BIOCHEMIE • PRODUKTE UND SYSTEME

Gerhart-Hauptmann-Str. 48
69221 Dossenheim

Tel +49 6221 868023
Fax +49 6221 8680255

www.loxo.de - info@loxox.de

Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.

The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmBioMed will not be held responsible for patent infringement or other violations that may occur with the use of our products.