Podoplanin clone PDPN/1433

Mouse Monoclonal Antibody

Instructions for Use

Specification:
It recognizes a muco-protein of 38-43kDa, which is identified as Podoplanin (PDPN). It localizes in stromal cells of peripheral lymphoid tissue and thymic epithelial cells. As a regulator of the lymphatic endothelium, Podoplanin probably plays a role in the maintaining the unique shape of podocytes. It is selectively expressed in lymphatic endotheliomas well as lymphoangiomas, Kaposi sarcomas and in the subset of angiosarcomas with probable lymphatic differentiation. Recent studies have also shown Podoplanin to be a highly sensitive and relatively specific marker for epithelioid mesothelioma. Therefore, it can be used in a panel to distinguish mesotheliomas or mesothelial cells from pulmonary carcinomas.

Availability:

Catalog No.	Contents	Volume
ILM1433-C01	Podoplanin	0,1 ml concentrate
ILM1433-C05	Podoplanin	0,5 ml concentrate
ILM1433-C1	Podoplanin	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human

Human Gene Symbol: PDPN

Synonyms: aggrus, Gp38, GP40, PA2.26, T1A-2

Human Entrez Gene ID: 10630

Clone: PDPN/1433

Species of origin: Mouse

Isotype: IgG1, Kappa

Control Tissue: HeLa cells, cervical or lung carcinoma

Staining: Cytoplasmic, membranous

Presentation: : Bioreactor Concentrate with 0.05% BSA and 0.05% Azide

Application and suggested dilutions:
Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer pH6.0 for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:400 - 1:800)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

1) Farr, A.G., et al. 1992. Characterization and cloning of a novel glycoprotein expressed by stromal cells in T-dependent areas of peripheral lymphoid tissues. J. Exp. Med. 176: 1477-1482.
2) Schoppmann, S.F., et al. 2001. Lymphatic microvessel density and lymphovascular invasion assessed by anti-podoplanin immunostaining in human breast cancer. Anticancer Res. 21: 2351-2355.