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< for Research Use Only >

Code No. 017-27091 (100 μ g)

**Anti Dog Podoplanin,
Monoclonal Antibody (PMab-38)**
**抗イヌポドプランイン,
モノクローナル抗体 (PMab-38)**

Podoplanin (PDPN), also known as Aggrus or T1 α , is a type I transmembrane sialoglycoprotein, which possesses a platelet aggregation-stimulating (PLAG) domain in the N-terminal. In addition to this, PDPN is abundant not only in various tumors but also in normal cells such as lymphatic endothelial cells, podocytes, and type I alveolar epithelial cells.

PDPN is expressed in many cancers, including oral cancer, malignant brain tumors, esophageal cancers, lung cancers, mesotheliomas, testicular tumors, and osteosarcomas.

Anti dog podoplanin, monoclonal antibody (PMab-38) is established against recombinant dog podoplanin. This antibody has interesting recognition pattern that it reacted with the lymphatic endothelial cells in melanoma tissues, although it did not react with any lymphatic endothelial cells in normal tissues by immunohistochemistry.

This product is for laboratory use only ; use in any such application is the responsibility of the users.

Description

[Reactivity]	Reacts with dog Podoplanin.
[Species cross reactivity]	Dog
[Clone No.]	PMab-38
[Host]	Mouse
[Isotype]	IgG1 $\cdot$ κ
[Concentration]	Indicated on the label.
[Formulation]	PBS (pH 7.4) containing sodium azide

Application

Western Blot	1 μ g/mL ~
Flow Cytometry	1 μ g/mL ~
Immunohistochemistry	10 μ g/mL ~
ELISA	

* Please optimize the most appropriate concentration for your analysis conditions and samples.

Storage

Store at -20 $^{\circ}$ C.
Avoid repeated freeze and thaw.

Package

100 μ g

References

- 1) Honma, R. *et al.*, *Monoclon. Antib. Immunodiagn. Immunother.*, **35**(4), 212-216 (2016).
- 2) Kaneko, M.K. *et al.*, *Monoclon. Antib. Immunodiagn. Immunother.*, **35**(5), 263-266 (2016).
- 3) Ogasawara, S. *et al.*, *Monoclon. Antib. Immunodiagn. Immunother.*, **35**(6), 304-306 (2016).

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