

90×210mmサイズ

FUJIFILM

Wako

< for Research Use Only >

Code No. 014-27481 (100 μ g)

**Anti Human Podoplanin,
Monoclonal Antibody (LpMab-21)**
**抗ヒトポドプランイン,
モノクローナル抗体 (LpMab-21)**

Podoplanin (PDPN), also known as Aggrus, is a type I transmembrane sialoglycoprotein, which possesses a platelet aggregation-stimulating (PLAG) domain in the N-terminal. PDPN is abundant not only in various tumors but also in normal cells such as lymphatic endothelial cells, renal glomerular epithelial cells, and lung 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 human podoplanin, monoclonal antibody (LpMab-21) is established against recombinant human podoplanin. This antibody recognizes Thr76-Arg79 of human podoplanin including sialylated Thr76.

This antibody detected glioblastoma, oral squamous carcinoma, and seminoma cells as well as normal lymphatic endothelial cells. However, it did not react with the renal glomerular epithelial cells or lung type I alveolar cells.

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

Description

[Reactivity] Reacts with several type of human tumor cells and normal lymphatic endothelial cells.

[Species cross reactivity] Human

[Clone No.] LpMab-21

[Host] Mouse

[Subclass] IgG2a $\cdot$ κ

[Concentration] Indicated on the label.

[Formulation] PBS (pH 7.4) containing sodium azide

Application

ELISA

Flow Cytometry 1 μ g/mL ~

Immunohistochemistry 1 μ g/mL ~

ADCC

CDC

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

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Storage

Store at -20°C .

Avoid repeated freeze and thaw.

Package

100 μ g

References

- 1) Kaneko, M.K. *et al.*, *Cancer Med.*, **6** (2), 382-396 (2017).
- 2) Kato, Y. *et al.*, *Monoclon. Antib. Immunodiagn. Immunother.*, **36** (1), 20-24 (2017).

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