

FUJIFILM**Wako**

< for Research Use Only >

Code No. 014-27001 (100 μ g)**Anti Human Podoplanin,
Monoclonal Antibody (LpMab-12)****抗ヒトポドプランイン,
モノクローナル抗体 (LpMab-12)**

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.

PLAG domain has three tandem repeats of eight amino acids, called PLAG1, PLAG2, and PLAG3. The O-glycosylation on Thr52/PLAG3 of human PDPN is critical for the interaction of hPDPN with C-type lectin-like receptor-2 (CLEC-2), resulting to the platelet aggregation.

Anti human podoplanin, monoclonal antibody (LpMab-12) is established against recombinant human podoplanin. This antibody targets PLAG3 domain. The sialylated GalNAc on Thr52 is necessary for LpMab-12 recognition.

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

Description

[Reactivity]	Reacts with human Podoplanin, PLAG3 domain, containing the sialylated Thr52.
[Species cross reactivity]	Human
[Clone No.]	LpMab-12
[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	1 ~ 10 μ g/mL

ELISA

Neutralization the hPDPN-CLEC-2 interaction.

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

Storage

Store at -20°C.

Avoid repeated freeze and thaw.

Package100 μ g**Reference**1) Kato, Y. *et al.*, *PLoS ONE*, **11**(3), e0152912 (2016).**FUJIFILM Wako Pure Chemical Corporation**

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