

**FUJIFILM****Wako**

&lt; for Research Use Only &gt;

Code No. 018-27021 (100  $\mu$ g)**Anti Human Podoplanin,  
Monoclonal Antibody (LpMab-17)****抗ヒトポドプラニン,  
モノクローナル抗体 (LpMab-17)**

Podoplanin (PDPN), also known as Aggrus, or T1  $\alpha$ , 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-17) is established against recombinant human podoplanin. This antibody targets non-PLAG domain. The glycosylations are not necessary for LpMab-17 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.
[Species cross reactivity]	Human
[Clone No.]	LpMab-17
[Host]	Mouse
[Isotype]	IgG1 $\cdot$ $\kappa$
[Concentration]	Indicated on the label.
[Formulation]	PBS (pH 7.4) containing sodium azide

**Application**

Western Blot	1 $\mu$ g/mL ~
Flow Cytometry	1 $\mu$ g/mL ~
Immunohistochemistry	1 $\mu$ g/mL ~
ELISA	1 $\mu$ g/mL ~

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

**Storage**

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

**Package**100  $\mu$ g**Reference**

- 1) Kato, Y. *et al.*, *Monoclon. Antib. Immunodiagn. Immunother.*, **35**(2), 109-116 (2016).

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