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Product datasheet for DM3500

PDPN Mouse Monoclonal Antibody [Clone ID: 18H5]

Product data:

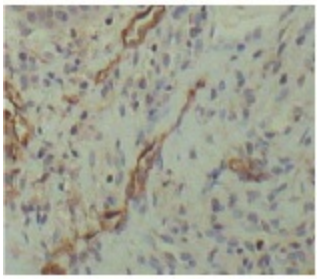
Product Type:	Primary Antibodies
Clone Name:	18H5
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	**Flow Cytometry:** 1/50. **Immunoprecipitation:** 1/50. **Western blot:** 1/100. **Immunohistochemistry on Frozen and Paraffin Embedded Sections:** 1/50-1/200.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody will detect Podoplanin on the surface of lymphatic endothelial cells and kidney podocytes by Immunostaining or Immunohistochemistry.
Formulation:	State: Supernatant State: Liquid Concentrated Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	podoplanin
Database Link:	Entrez Gene 10630 Human Q86YL7

View online »

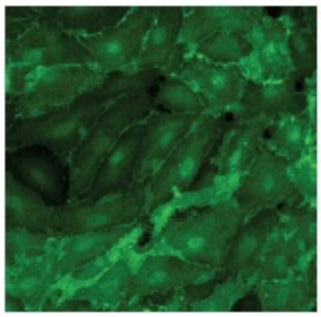
Background: Podoplanin is a well-recognized lymphatic endothelium marker, which can be used to reliably distinguish lymphatic vessels from blood vessels. Podoplanin is a Mr 38,000 membrane mucoprotein that was originally detected on the surface of rat glomerular epithelial cells (podocytes) and was found to be linked to flattening of foot processes that occurs in glomerular diseases. Podoplanin shows features of a membrane mucoprotein with several conserved O-glycosylation sites. Currently, it is of unknown biological function. Because heavily O-glycosylated mucoproteins were identified recently as counterreceptors for selectins that mediate adhesion of inflammatory cells, it is possible that podoplanin plays a similar role in lymphatic endothelia.

Synonyms: Glycoprotein 36, PA2.26 antigen, T1-alpha, Aggrus, PDPN, GP36, PSEC0003, PSEC0025

Product images:



DM3500 Podoplanin antibody staining of Paraffin Embedded Human Mucosa Sections.



DM3500 Podoplanin antibody Immunostaining of Human Lymphatic Endothelial Cells.