

# Product Datasheet

## Podoplanin Antibody (pmab-1) - BSA Free NBP2-03955

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-03955**

Podoplanin Antibody (pmab-1) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	pmab-1
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

**Product Description**

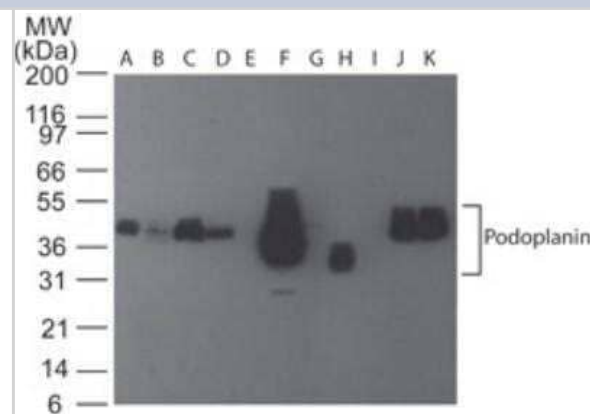
<b>Host</b>	Rat
<b>Gene ID</b>	10630
<b>Gene Symbol</b>	PDPN
<b>Species</b>	Mouse
<b>Marker</b>	Lymphatic Endothelium Marker
<b>Immunogen</b>	Podoplanin

**Product Application Details**

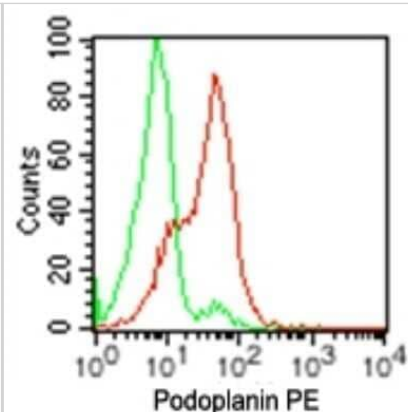
<b>Applications</b>	Western Blot, Flow Cytometry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 3 - 5 ug/mL, Flow Cytometry 0.5 ug/10 <sup>5</sup> cells, CyTOF-ready

**Images**

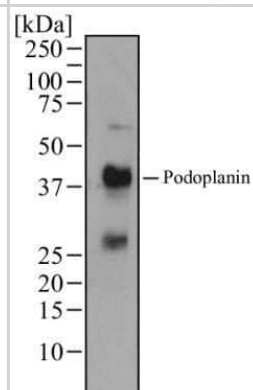
Western Blot: Podoplanin Antibody (pmab-1) [NBP2-03955] - Analysis using the Azide Free version of NBP2-03955. Lysate from mouse A) Brain, B) Heart, C) Small Intestine, D) Kidney, E) Liver, F) Lung, G) Muscle, H) Stomach, I) Spleen, J) Ovary, and K) Testis probed with podoplanin antibody at 5 ug/mL. Mouse tissue Insta-blot, goat anti-rat Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



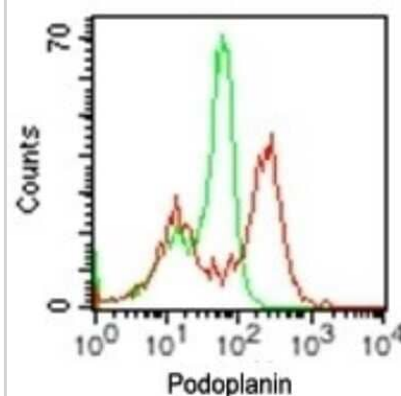
Flow Cytometry: Podoplanin Antibody (pmab-1) [NBP2-03955] - Analysis using the PE conjugate of NBP2-03955. Staining using podoplanin antibody. Mouse F9 tumor cell line probed using 0.5 ug of podoplanin antibody (red) and 0.5 ug of isotype control antibody (green). Cell surface flow kit was used for this test.



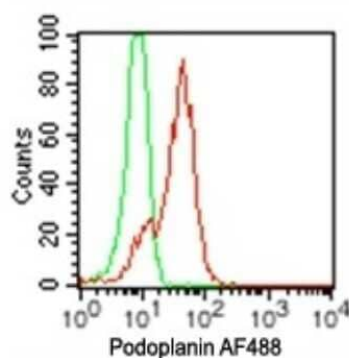
Western Blot: Podoplanin Antibody (pmab-1) [NBP2-03955] - Analysis using the Azide Free version of NBP2-03955. Detection of mouse fetal lung tissue using Podoplanin antibody at a concentration of 1 ug/mL.



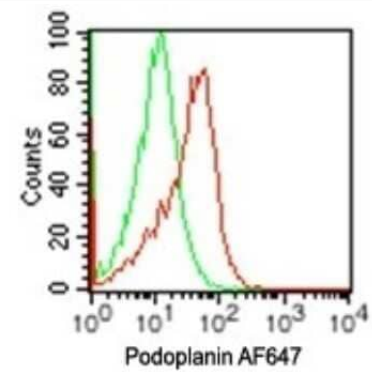
Flow Cytometry: Podoplanin Antibody (pmab-1) [NBP2-03955] - Analysis using podoplanin antibody. Mouse LLC1 cells were probed using 0.5 ug of podoplanin antibody (red) and 0.5 ug of isotype control antibody (green). NBP2-03955 and APC-conjugated secondary antibody were used for this test.



Flow Cytometry: Podoplanin Antibody (pmab-1) [NBP2-03955] - Analysis using the Alexa Fluor (R) 488 conjugate of NBP2-03955. Staining using podoplanin antibody. Mouse LLC1 cells were probed using 0.5 ug of podoplanin antibody (red) and 0.5 ug of isotype control antibody (green).



Flow Cytometry: Podoplanin Antibody (pmab-1) [NBP2-03955] - Analysis using the Alexa Fluor (R) 647 conjugate of NBP2-03955. Staining using podoplanin antibody. Mouse LLC1 cells were probed using 0.5 ug of podoplanin antibody (red) and 0.5 ug of isotype control antibody (green).



## Publications

Cong X, Nagre N, Herrera J et al. TRIM72 promotes alveolar epithelial cell membrane repair and ameliorates lung fibrosis *Respir. Res.* 2020-05-29 [PMID: 32471489]

Nagre N, Nicholson G, Cong X et al. Activation of cannabinoid-2 receptor protects against *Pseudomonas aeruginosa* induced acute lung injury and inflammation *Respiratory research* 2022-12-03 [PMID: 36463179] (IHC-P, Mouse)

Details:

Dilution used in IHC-P 1:100



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### **Products Related to NBP2-03955**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP1-43321-0.5mg	Rat IgG2a Kappa Light Chain Isotype Control (R2a)
NBP2-03955APC	Podoplanin Antibody (pmab-1) [Allophycocyanin]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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