

# Product Datasheet

## Podoplanin Antibody (NZ-1.2) - Azide Free NBP2-03954

Unit Size: 0.05 mg

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

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**NBP2-03954**

Podoplanin Antibody (NZ-1.2) - Azide Free

**Product Information**

<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<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>	NZ-1.2
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Lambda
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

**Product Description**

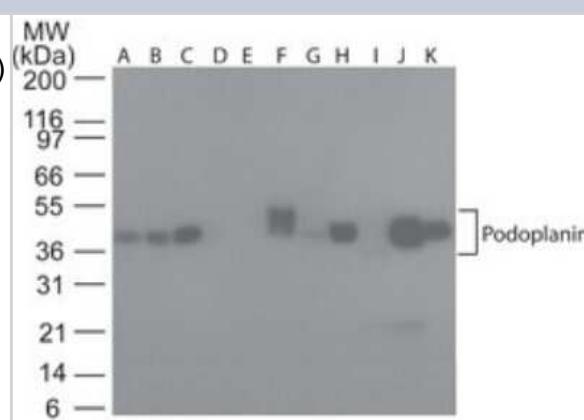
<b>Host</b>	Rat
<b>Gene ID</b>	10630
<b>Gene Symbol</b>	PDPN
<b>Species</b>	Human
<b>Marker</b>	Lymphatic Endothelium Marker
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 38-70 from the platelet-aggregation-stimulating (PLAG) domain of human podoplanin was used as immunogen.

**Product Application Details**

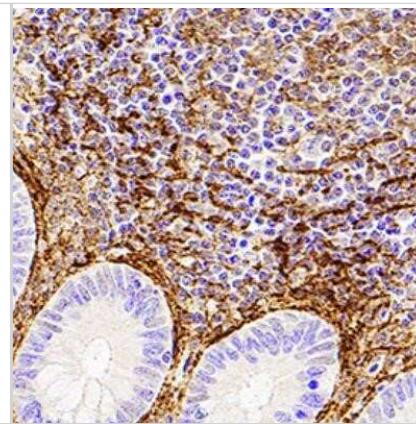
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 3-5 ug/ml, Flow Cytometry 1ul/1 million cells, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready

**Images**

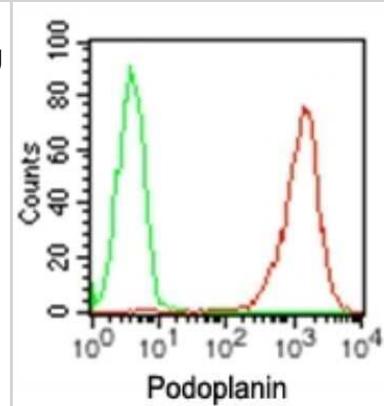
Western Blot: Podoplanin Antibody (NZ-1.2) - Azide Free [NBP2-03954] - Lysate from human A) Brain, B) Heart, C) Small Intestine, D) Kidney, E) Liver, F) Lung, G) Muscle, H) Stomach, I) Spleen, J) Ovary, and K) Testis probed with podoplanin antibody at 5 ug/ml. human tissue Insta-blot , goat anti-rat Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



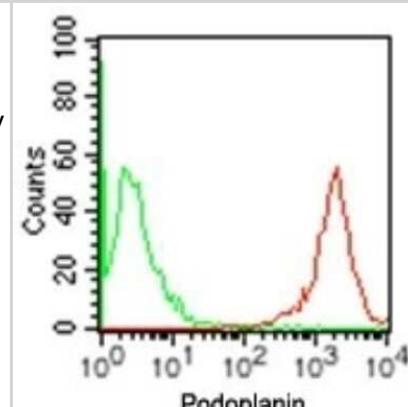
Immunohistochemistry-Paraffin: Podoplanin Antibody (NZ-1.2) - Azide Free [NBP2-03954] - Podoplanin (NZ-1.2) was detected in immersion fixed paraffin-embedded sections of human appendix using Rat Anti-Human Podoplanin Monoclonal Antibody (Catalog # NBP2-03952) at 0.5 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Rat IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC005). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the cell surface. Image using the standard format of this product.



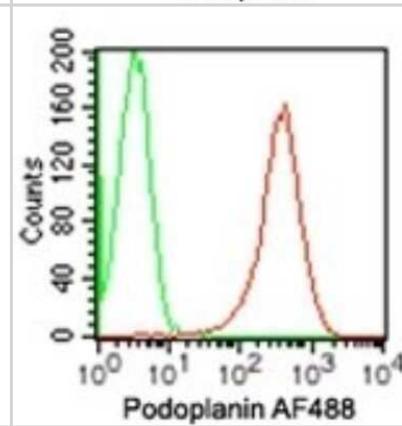
Flow Cytometry: Podoplanin Antibody (NZ-1.2) - Azide Free [NBP2-03954] - Analysis using the PE conjugate of NBP2-03952. Staining using Podoplanin antibody. Human NCCIT cells were probed using 10 ul (0.2 ug) of Podoplanin antibody (red) and 0.2 ug of isotype control antibody (green).



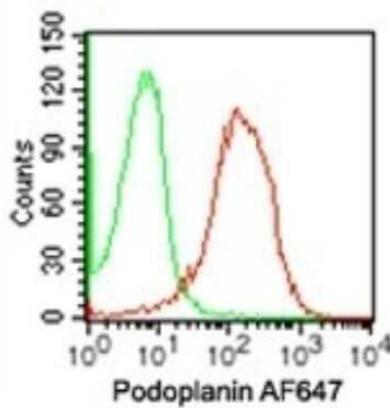
Flow Cytometry: Podoplanin Antibody (NZ-1.2) - Azide Free [NBP2-03954] - Analysis using Podoplanin antibody. Human NCCIT cells were probed using 0.2 ug of Podoplanin antibody (red) and 0.2 ug of isotype control antibody (green). Flow kit and anti-rat PE secondary this antibody were used for this test.



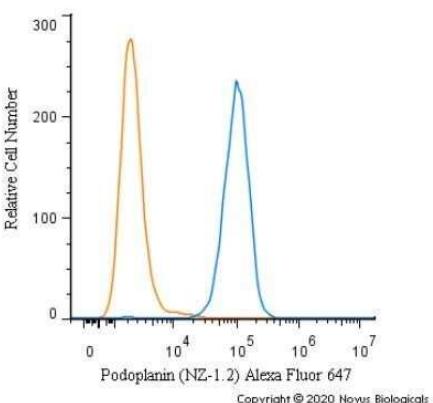
Flow Cytometry: Podoplanin Antibody (NZ-1.2) - Azide Free [NBP2-03954] - Analysis using the Alexa Fluor (R) 488 conjugate of NBP2-03952. Staining using Podoplanin antibody. Human NCCIT cells were probed using 10 ul (0.15 ug) of Podoplanin antibody (red) and 0.15 ug of isotype control antibody (green).



Flow Cytometry: Podoplanin Antibody (NZ-1.2) - Azide Free [NBP2-03954] - Analysis using the Alexa Fluor (R) 647 conjugate of NBP2-03952. Staining using Podoplanin antibody. Human NCCIT cells were probed using 10  $\mu$ l (0.15  $\mu$ g) of Podoplanin antibody (red) and 0.15  $\mu$ g of isotype control antibody (green).



Flow Cytometry: Podoplanin Antibody (NZ-1.2) - Azide Free [NBP2-03954] - A surface stain was performed on Ntera2 cells with Podoplanin Antibody (NZ-1.2) NBP2-03952AF647 (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 2.5  $\mu$ g/mL for 20 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 647.





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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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