BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker) Monoclonal Antibody

Catalog Number: M03359

About PODXL

Podocalyxin is a member of the CD34 transmembrane sialomucin family. It is over-expressed on the podocyte foot projections and plays essential roles in kidney development and homeostasis, blood filtration and urine formation. It is also expressed on vascular endothelia, hematopoietic progenitors and a subset of neurons. Overexpression of podocalyxin may be linked to more aggressive tumor behavior. Podocalyxin antibody can identify podocytes in the urine (podocyturia) that may indicate glomerular disease, pre-eclampsia, and other kidney pathology.

Overview

Product Name	Anti-Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker) Monoclonal Antibody
Reactive Species	Human, Rabbit, Rat
Description	Boster Bio Anti-Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker) Monoclonal Antibody (Catalog # M03359). Tested in Flow Cytometry, IF, IP, WB, IHC applications. This antibody reacts with Human, Rabbit, Rat.
Conjugate	Biotin
Application	Flow Cytometry, IP, IF, IHC, WB
Clonality	Monoclonal Clone: 3D3
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	O00592

Technical Details

Immunogen	A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human podocalyxin
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

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Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Flow Cytometry (1-2ug/million cells) Immunofluorescence (1-2ug/ml) Immunoprecipitation (1-2ug/500ug protein) Western Blot (1-2ug/ml) Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

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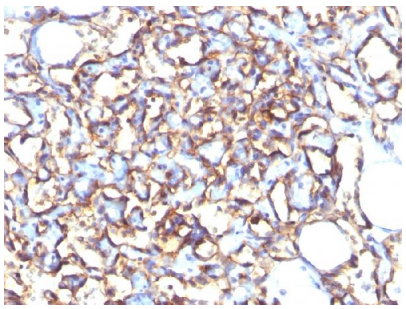
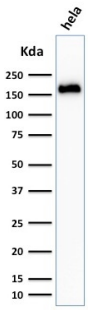
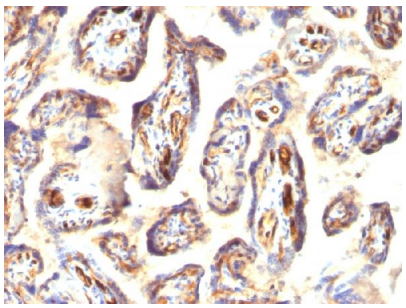
Anti-Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker) Monoclonal Antibody (M03359) Images



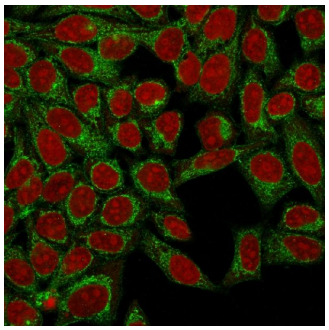
Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Anti-Podocalyxin Mouse Monoclonal Antibody (3D3).



Western Blot analysis of HeLa cell lysate using Anti-Podocalyxin Mouse Monoclonal Antibody (3D3).



Formalin-fixed, paraffin-embedded human Placenta stained with Anti-Podocalyxin Mouse Monoclonal Antibody (3D3).



Confocal Immunofluorescence of HeLa cells using Anti-Podocalyxin Mouse Monoclonal Antibody (3D3) labeled with CF488 (Green); Reddot is used to label the nuclei.

Flow Cytometry of NCCIT cells using Anti-Podocalyxin Mouse Monoclonal Antibody (3D3).

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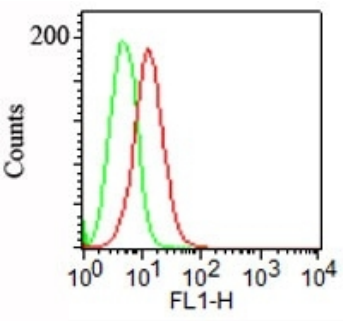

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