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36-1566: Monoclonal Antibody to Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker)(Clone : 3D3)

Clonality :	Monoclonal
Clone Name :	3D3
Application :	FACS,IF,IP,WB,IHC
Reactivity :	Human, Rat
Gene :	PODXL
Gene ID :	5420
Uniprot ID :	O00592
Format :	Purified
Alternative Name :	PODXL,PCLP,PCLP1
Isotype :	Mouse IgG1, kappa
Immunogen Information :	A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human podocalyxin

Description

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.

Product Info

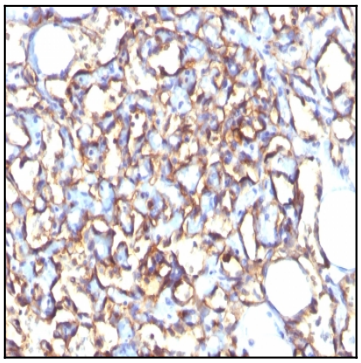
Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

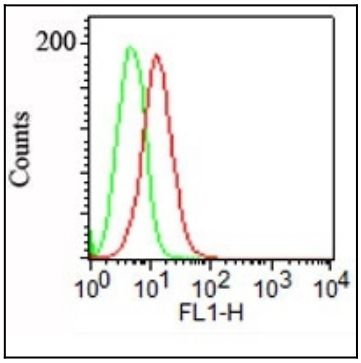
Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunoprecipitation (1-2ug/500ug protein); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

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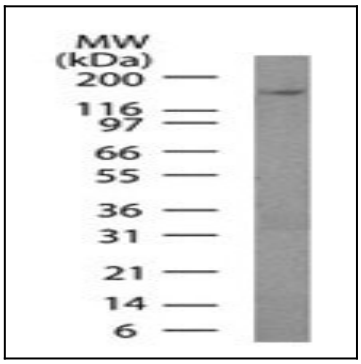
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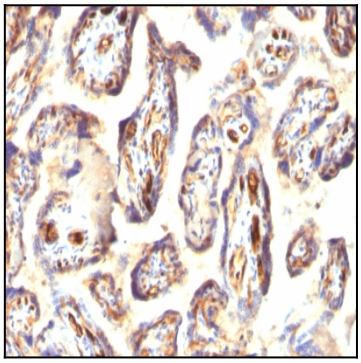
Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Podocalyxin Monoclonal Antibody (3D3).



Flow Cytometry of NCCIT Cells using Podocalyxin Monoclonal Antibody (3D3).



Western Blot of HeLa Lysate using Podocalyxin Monoclonal Antibody (3D3).



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

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