

## 36-1568: Monoclonal Antibody to Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker)(Clone : 2A4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	2A4
<b>Application :</b>	FACS,IF,WB,IHC
<b>Reactivity :</b>	Human, Rat
<b>Gene :</b>	PODXL
<b>Gene ID :</b>	5420
<b>Uniprot ID :</b>	O00592
<b>Format :</b>	Purified
<b>Alternative Name :</b>	PODXL,PCLP,PCLP1
<b>Isotype :</b>	Mouse IgM, kappa
<b>Immunogen Information :</b>	A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human podocalyxin

### Description

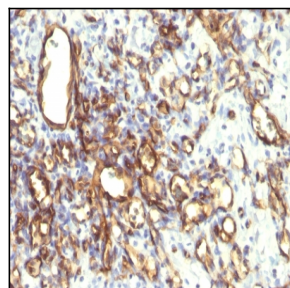
Podocalyxin is a member of the CD34 transmembrane sialomucin family. It is over-expressed on the podocyte foot projections and plays essential roles in kidney development and homeostasis, blood filtration and urine formation. It is also expressed on vascular endothelia, hematopoietic progenitors and 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

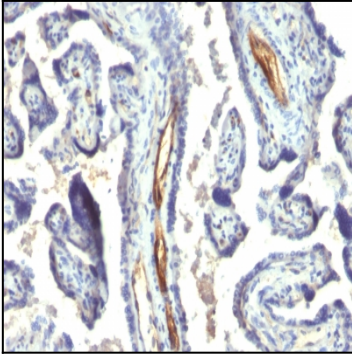
<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid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

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); 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);



Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Podocalyxin Monoclonal Antibody (2A4).



Formalin-fixed, paraffin-embedded human Placenta stained with Podocalyxin Monoclonal Antibody (2A4).