

Immunotag™ Podocalyxin-like 1 Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM0525
Product Description	Immunotag™ Podocalyxin-like 1 Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Podocalyxin-like 1
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of human Podocalyxin-like 1 expressed in E. Coli.
Specificity	Podocalyxin-like 1 Monoclonal Antibody detects endogenous levels of Podocalyxin-like 1 protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	PODXL
Accession No.	O00592 Q9R0M4
Alternate Names	PODXL; PCLP; PCLP1; Podocalyxin; GCTM-2 antigen; Gp200; Podocalyxin-like protein 1; PC; PCLP-1

Antibody Specification

Description	podocalyxin like(PODXL) Homo sapiens This gene encodes a member of the sialomucin protein family. The encoded protein was originally identified as an important component of glomerular podocytes. Podocytes are highly differentiated epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na ⁺ /H ⁺ exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin. [provided by RefSeq, Jul 2008],
Protein Expression	Heart,Kidney,Liver,
Subcellular Localization	ruffle,extracellular space,cytoplasm,plasma membrane,integral component of plasma membrane,integral component of membrane,apical plasma membrane,lamellipodium,filopodium,microvillus membrane,slit diaphragm,cell projection,int
Protein Function	function:Functions as an antiadhesin that maintains an open filtration pathway between neighboring foot processes in the podocyte by charge repulsion.,PTM:Glycosylated; contains sialic acid.,similarity:Belongs to the podocalyxin family.,tissue specificity:Glomerular epithelium cell (podocyte).,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.