

For Research Use Only

CoraLite® Plus 488-conjugated Podocalyxin Monoclonal antibody



Catalog Number:CL488-68250

Basic Information

Catalog Number: CL488-68250	GenBank Accession Number: BC093730	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5420	CloneNo.: 4A3C7
Source: Mouse	Full Name: podocalyxin-like	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Calculated MW: 526 aa, 55 kDa	
Immunogen Catalog Number: AG12859	Observed MW: 60-70 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

Podocalyxin, also known as podocalyxin-like protein 1 (PODXL or PCLP1), is a transmembrane glycoprotein belonging to the CD34 family of sialomucins. Podocalyxin was originally identified as the major sialoprotein on podocytes of the kidney glomerulus, but was later found to be expressed on vascular endothelial cells and early hematopoietic progenitors. It involved in the regulation of both adhesion and cell morphology. In addition, podocalyxin is highly expressed in embryonic stem cells and aberrant expression of podocalyxin has been implicated in a wide range of cancers. Podocalyxin is a protein with a peptide bone of 55.5 kDa that undergoes a post-translational glycosylation, the different molecular mass of podocalyxin indicates the extent and variability of glycosylation patterns (PMID: 17092254).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

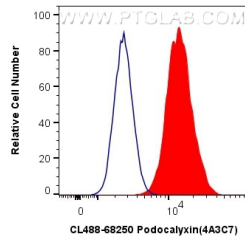
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.8 μ g CoraLite® Plus 488 Anti-Human Podocalyxin (CL488-68250, Clone:4A3C7) (red), or 0.8 μ g CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C 1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).