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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-Podocalyxin [mAb4F10] Standard Size Ab04023-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

Isotype and Format: Mouse IgM, Kappa

Clone Number: mAb4F10

Alternative Name(s) of Target: PC; PCLP-1; GCTM-2 antigen; Gp200; Podocalyxin-like protein 1; 4F10

UniProt Accession Number of Target Protein: O00592

Published Application(s): IP, WB, IF

Published Species Reactivity: Rabbit, Rat, Human

Immunogen: The original antibody was generated by immunizing BALB/C mice with purified human podocalyxin-glutathione S-transferase (GST) fusion protein containing the intracellular, transmembrane, and a part of the extracellular domain of human PCLP.

Specificity: The antibody is specific for human podocalyxin. The epitope recognized by the antibody is located on the intracellular domain of podocalyxin. Podocalyxin, a sialoglycoprotein, is thought to be the major constituent of the glycocalyx of podocytes in the glomerulus (Bowman's capsule) in the kidneys. It is a member of the CD34 family of transmembrane sialomucins.

Application Notes: The antibody recognized rabbit PCLP1 in human renal cortical sections on immunofluorescence. The antibody detected PCLP by western blot analysis. The antibody recognized and immunoprecipitated rat podocalyxin (Kershaw et al., 1997; PMID: 9188463). The antibody detected PCLP in HEV of tonsil by immunofluorescence analysis (Sasseti et al., 1998; PMID: 9625756).

Antibody First Published in: Kershaw et al. Molecular cloning and characterization of human podocalyxin-like protein. Orthologous relationship to rabbit PCLP1 and rat podocalyxin. *J Biol Chem.* 1997 Jun 20;272(25):15708-14. doi: 10.1074/jbc.272.25.15708. PMID:9188463

Note on publication: The original paper describes the generation and characterization of the original antibody.

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.