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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Podocalyxin [mAb3D3] Standard Size Ab04022-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: mAb3D3

Alternative Name(s) of Target: PC; PCLP-1; GCTM-2 antigen; Gp200; Podocalyxin-like protein 1; 3D3

UniProt Accession Number of Target Protein: O00592

Published Application(s): WB, IF

Published Species Reactivity: 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 extracellular 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 (Kershaw et al., 1997; PMID: 9188463). The antibody detected PCLP in HEV of tonsil by immunofluorescence analysis. The antibody immunoprecipitated PCLP from colon carcinoma cell lysate (Thomas et al., 2009; PMID: 19118161).

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:

100 µg Purified antibody.

Purification: Protein A affinity purified

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.