

# Product Datasheet

## Podocalyxin Like Antibody (3D3) [Allophycocyanin] NBP2-33108APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-33108APC**

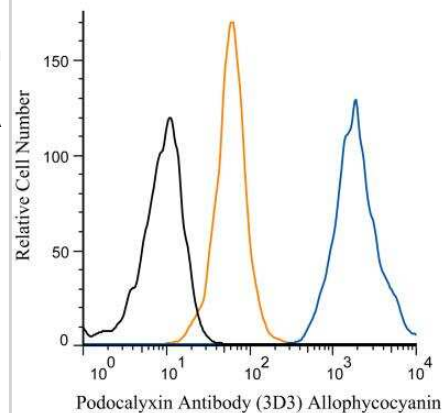
Podocalyxin Like Antibody (3D3) [Allophycocyanin]

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 ml   |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                     | Store at 4C in the dark.   |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | 3D3  |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG1 Kappa   |
| <b>Conjugate</b>                   | Allophycocyanin  |
| <b>Purity</b>                      | Protein G purified   |
| <b>Buffer</b>                      | PBS  |
| <b>Product Description</b>         |  |
| <b>Description</b>                 | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 5420   |
| <b>Gene Symbol</b>                 | PODXL  |
| <b>Species</b>                     | Human, Mouse, Rat, Rabbit  |
| <b>Reactivity Notes</b>            | Mouse reactivity reported in scientific literature (PMID: 27771514).   |
| <b>Marker</b>                      | Hematopoietic Stem Cell Marker   |
| <b>Specificity/Sensitivity</b>     | 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. |
| <b>Immunogen</b>                   | A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human Podocalyxin Like (Uniprot: O00592)   |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready   |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Flow (Intracellular), CyTOF-ready   |



## Images

Flow Cytometry: Podocalyxin Antibody (3D3) [Allophycocyanin] [NBP2-33108APC] - An intracellular stain was performed on SH-SY5Y cells with Podocalyxin (3D3) antibody NBP2-33108APC (blue) and a matched isotype control NBP2-27287APC (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Unstained cells are shown in black. Both antibodies were conjugated to allophycocyanin.





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### **Products Related to NBP2-33108APC**

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|                |  |
|----------------|--|
| IC002A         | Mouse IgG1 Isotype Control (11711) [Allophycocyanin] |
| NB110-41503PEP | Podocalyxin Like Antibody Blocking Peptide           |
| 210-TA-005     | TNF-alpha [Unconjugated]                             |
| 1658-PD-050    | Podocalyxin Like [Unconjugated]                      |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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