# Human Endoglycan/PODXL2 Antibody

Monoclonal Mouse $IgG_{2A}$ Clone # 211816

Catalog Number: MAB1524

## DESCRIPTION

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|---|---|
| **Species Reactivity** | Human |
| **Specificity** | Detects human Endoglycan/PODXL2 in direct ELISAs. |
| **Source** | Monoclonal Mouse $IgG_{2A}$ Clone # 211816 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | Mouse myeloma cell line NS0-derived recombinant human Endoglycan/PODXL2<br>Gly33-Thr500<br>Accession # Q9NZ53 |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS. |

## APPLICATIONS

**Please Note:** *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

| | Recommended Concentration | Sample |
|---|---|---|
| **Flow Cytometry** | 2.5 µg/$10^6$ cells | HUVEC human umbilical vein endothelial cells |
| **Immunocytochemistry** | 8-25 µg/mL | Immersion fixed HUVEC human umbilical vein endothelial cells |

## PREPARATION AND STORAGE

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| **Reconstitution** | Reconstitute at 0.5 mg/mL in sterile PBS. |
| **Shipping** | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| **Stability & Storage** | **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**<br>● 12 months from date of receipt, -20 to -70 °C as supplied.<br>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## BACKGROUND

Endoglycan, also named Podocalyxin-like 2 protein, is a type I transmembrane glycoprotein. It belongs to the CD34/Podocalyxin family of sialomucins that share structural similarity and sequence homology. It is expressed in hematopoietic precursors, endothelial cells, smooth muscle cells and leukocyte subpopulations. Endoglycan is a potential marker for hematopoietic progenitors. It also functions as an L-Selectin ligand and may be involved in the inhibition of stem cell differentiation and leukocyte-endothelial adhesion (1, 2).

**References:**


1. Sassetti, C. *et al.* (2000) J. Biol. Chem. **275**:9001.
2. Fieger, C.B. *et al.* (2003) J. Biol. Chem. **278**:27390.