

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Endoglycan/PODXL2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant human PODXL.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Endoglycan/PODXL2 Gly33-Thr500 Accession # Q9NZ53
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

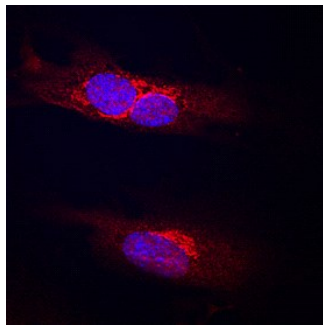
APPLICATIONS

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
Western Blot	0.1 µg/mL	Recombinant Human Endoglycan/PODXL2
Flow Cytometry	0.25 µg/10 ⁶ cells	HUVEC human umbilical vein endothelial cells
Immunocytochemistry	5-15 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Immunocytochemistry



Endoglycan/PODXL2 in Human HUVEC.
Endoglycan/PODXL2 was detected in immersion fixed HUVEC human umbilical vein endothelial cells using Goat Anti-Human Endoglycan/PODXL2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1524) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cell membranes. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *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. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Endoglycan, also named podocalyxin-like 2 (PODXL2), is a member of the CD34 family of sialomucins. It is a Type I transmembrane protein expressed on endothelial cells, early hematopoietic progenitors and leukocyte subpopulations. Specific endoglycan glycoforms function as L-Selectin ligands.