

DESCRIPTION

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 Gly33-Thr500 Accession # Q9NZ53
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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	0.25-1 µg/10 ⁶ cells	HUVEC human umbilical vein endothelial cells

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

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:

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

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