

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Endoglycan/PODXL2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human PODXL or recombinant mouse PODXL is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 211805
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 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

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. 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).

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