

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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.                                                                            |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 211805                                                                                                                                                                                                                           |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant human Endoglycan/PODXL2<br>Gly33-Thr500<br>Accession # Q9NZ53                                                                                                                                                               |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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).

#### PRODUCT SPECIFIC NOTICES

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