

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Endoglycan/PODXL2 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Endoglycan/PODXL2 Gly30-Gly498 Accession # Q8CAE9
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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 that belongs to the CD34/podocalyxin family of sialomucins that are expressed on endothelial cells and hematopoietic precursors, vascular smooth muscle cells, and some leukocyte subpopulations. The extracellular domain of Endoglycan contains an N-terminal acidic domain with several polyglutamate tracts, a mucin-like domain and a membrane proximal globular domain. Unlike other sialomucins, Endoglycan contains chondroitin sulfate modifications. Within the extracellular domain, mouse endoglycan shares 73% and 96% amino acid sequence identity with human and rat endoglycan, respectively.

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