

DESCRIPTION

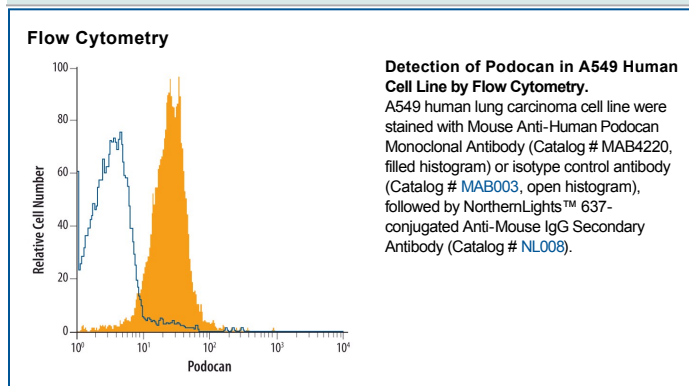
Species Reactivity	Human
Specificity	Detects human Podocan in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse Podocan is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 390102
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Podocan Val73-Arg661 Accession # AAH30608
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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	1 µg/mL	Recombinant Human Podocan
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
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

Podocan is a 70 kDa secreted glycoprotein belonging to the small leucine-rich repeat (SLR) protein family. It lacks a serine/glycine dipeptide consensus sequence required for glycosaminoglycan attachment and is not a proteoglycan. Podocan transcripts were originally isolated from kidney podocytes. Based on EST counts, Podocan is also expressed in multiple tissues, including pineal gland, bladder and vascular tissues. Podocan binds type I collagen. The amino acid sequences of mature human and mouse Podocan share 92% identity.