Recombinant Anti-Podocalyxin Antibody (V3S-0522-YC2561)

Cat. No.: V3S-0522-YC2561

Summary

Description	This product is a monoclonal antibody derived from Mouse (*Mus musculus*), which can specif ically recognize Podocalyxin. The antibody is expressed with mammalian cell transient expre ssion system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures a re also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The *In vivo* version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 E U/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Human
Isotype	IgG
Isotype Control	C35500
Secondary Antibody	C47504; C37557; C41360; C32672; C10001; C13172; C32251; C50005

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 μM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4^{0}C within a week. For longer storage, aliquot and store at -20^{0}C.

Applications

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

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Application	FC; IHC
Application Notes	The antibody is recommended for detection of Podocalyxin by FC, IHC assays.

Target

Target	Podocalyxin
Introduction	Podocalyxin, a sialoglycoprotein, is thought to be the major constituent of the glycocalyx of p odocytes in theglomerulus. It is a member of the CD34 family of transmembrane sialomucins. Podocalyxin is an extensively O-glycosylated and sialylated type I transmembrane protein tha t is implicated in a wide range of cancers and is normally expressed in kidney podocytes, he matopoietic progenitor cells, vascular endothelia, and a subset of neurons.
Research Area	Cellular Marker

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