

Anti-SORT1 (aa 429-443) Neutralizing Antibody (V3S-0522-YC1899)

Cat. No.: V3S-0522-YC1899

Summary

Description	This product is a monoclonal antibody derived from Human (<i>Homo sapiens</i>), which can specifically recognize Sortilin 1. The antibody is expressed with mammalian cell transient expression 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 are 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 <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Human
Target Species	Human, Mouse
Epitope	The epitope is in the peptide corresponds to amino acid residues 429-443 and has the amino acid sequence of: ITFDQGGRWTHLRKP.
Affinity	KD = 3.25 nM, determined by surface plasmon resonance.
Isotype	IgG
Isotype Control	C34555
Secondary Antibody	C32400; C75370; C10513; C51635; C45530

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°C within a week. For longer storage, aliquot and store at -20°C.

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

Applications

Application ELISA; FC; Block

Application Notes The antibody is recommended for detection of SORT1 by ELISA, FC, Block assays.

Target

Target SORT1

Alternative Name Sortilin 1; Neurotensin Receptor 3; 100 KDa NT Receptor; Glycoprotein 95; Gp95; NTR3; NT 3; Sortilin; LDLCQ6

Gene ID [6272](#)

UniProt [Q99523](#)

Introduction Sortilin 1 belongs to the VPS10-related sortilin family of proteins. The encoded preproprotein is proteolytically processed by furin to generate the mature receptor. This receptor plays a role in the trafficking of different proteins to either the cell surface, or subcellular compartments such as lysosomes and endosomes. Expression levels of this gene may influence the risk of myocardial infarction in human patients.

Research Area Neuroscience; Cardiovascular

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