

Recombinant Anti-NoV CP Antibody (V3S-0522-YC5003)

Cat. No.: V3S-0522-YC5003

Summary

Description	This product is a monoclonal antibody derived from Mouse (<i>Mus musculus</i>), which can specifically recognize Norovirus Capsid protein. 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	Mouse
Target Species	Norovirus (NoV)
Epitope	Located in the sequence: QQNIIDPWIMN.
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°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

Application Notes The antibody is recommended for detection of NoV CP by ELISA assay.

Target

Target NoV CP

Alternative Name NoV CP; Norovirus Capsid protein; NoV; Norovirus; Capsid protein; CP

UniProt [Q68291](#)

Introduction The norovirus genome is positive-sense single-stranded RNA approximately 7.7 kb in length and encodes three open reading frames. ORF1 encodes the nonstructural proteins that are processed co- and post-translationally by the viral 3C-like protease (3CLpro). The coding order in ORF1 proceeds N to C terminus, p48, NTPase, p22, VPg, 3CLpro, and RdRp. ORF2 encodes the major capsid protein VP1 and ORF3 encodes the minor structural protein VP2.

Research Area Microbiology

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