

## Recombinant Anti-NoV CP Antibody (V3S-1022-YC4154)

Cat. No.: V3S-1022-YC4154

### Summary

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| <b>Description</b>        | This product is a recombinant Mouse antibody provided by CreativeBiolabs. The antibody is specific for Norovirus Capsid protein. It can be used for NoV CP detection in Enzyme-linked Immunosorbent Assay (ELISA). It was expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg. |
| <b>Clonality</b>          | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Host Species</b>       | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Target Species</b>     | NoV GI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Epitope</b>            | Located in the sequence: GTSNGTVINLTLDGTPFHPFEGPAPIGFDPDLGGCDWHINMTQFGHSSQTQ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Isotype Control</b>    | C35500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Secondary Antibody</b> | C37557; C41360; C32672; C10001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### Property

|                           |                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expression Species</b> | HEK293F or CHO Cell line                                                                                                                    |
| <b>Conjugation</b>        | Unconjugated, also available for Biotin, HRP, FITC and PE-labeled form.                                                                     |
| <b>Purity</b>             | >95%, determined by SDS-PAGE and SEC-HPLC                                                                                                   |
| <b>Endotoxin</b>          | <1 EU/mg, determined by LAL method                                                                                                          |
| <b>Purification</b>       | Purified with Protein A or G affinity chromatography                                                                                        |
| <b>Sterility</b>          | 0.2 µM filtered                                                                                                                             |
| <b>Formulation</b>        | PBS, pH 7.4                                                                                                                                 |
| <b>Preservation</b>       | No preservatives                                                                                                                            |
| <b>Stabilizer</b>         | No stabilizers                                                                                                                              |
| <b>Storage</b>            | Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics. |

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

## Applications

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**Application** ELISA

## Target

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**Target** NoV CP

**Alternative Name** Capsid protein; NoV GI Capsid protein; Norovirus genogroup 1 isolates 96-908

**UniProt** [Q83876](#)

**Introduction** Noroviruses can genetically be classified into five different genogroups (GI, GII, GIII, GIV, and GV), which can be further divided into different genetic clusters or genotypes. Noroviruses (NoV) are a genetically diverse group of single-stranded positive-sense RNA, non-enveloped viruses belonging to the Caliciviridae family. Noroviruses commonly isolated in cases of acute gastroenteritis belong to two genogroups: genogroup I (GI) includes Norwalk virus, Desert Shield virus and Southampton virus; and II (GII), which includes Bristol virus, Lordsdale virus, Toronto virus, Mexico virus, Hawaii virus and Snow Mountain virus.

**Research Area** Microbiology

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