

# Anti-Norovirus GII.4 antibody [2002-G5] $\alpha$ b167024

### Overview

<b>Product name</b>	Anti-Norovirus GII.4 antibody [2002-G5]
<b>Description</b>	Mouse monoclonal [2002-G5] to Norovirus GII.4
<b>Host species</b>	Mouse
<b>Specificity</b>	GI.4 VLP variants from 1987-2009.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, Neutralising
<b>Species reactivity</b>	<b>Reacts with:</b> Norovirus
<b>Immunogen</b>	Tissue, cells or virus corresponding to Norovirus GII.4. Norovirus GII.4-2002 VLP.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	Constituent: 99% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2002-G5
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab167024 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.
Neutralising		Use at an assay dependent dilution.

## Target

### Relevance

Noroviruses (NoV) are a genetically diverse group of single stranded RNA, nonenveloped viruses belonging to the Caliciviridae family. Noroviruses can genetically be classified into 5 different genogroups (GI, GII, GIII, GIV, and GV) which can be further divided into different genetic clusters or genotypes. For example genogroup II, the most prevalent human genogroup, presently contains 19 genotypes. Genogroups I, II and IV infect humans, whereas genogroup III infects bovine species and genogroup V has recently been isolated in mice. 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. Noroviruses contain a positive-sense RNA genome of approximately 7.5 knt, encoding a major structural protein (VP1) of about 58~60 kDa and a minor capsid protein (VP2). The virus particles demonstrate an amorphous surface structure when visualized using electron microscopy and are between 27-38 nm in size.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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