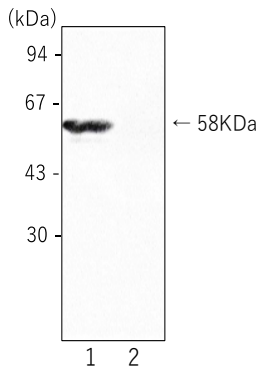


## Anti-Norovirus Capsid antibody, mouse monoclonal (NVGI-01), GI- specific

<b>Product code</b>	65-412
<b>Size</b>	100 µg
<b>Storage</b>	-20°C
<b>Concentration</b>	1.0 mg/ml
<b>Buffer</b>	PBS- with 50% glycerol
<b>Purity</b>	Purified IgG fraction with protein A from hybridoma cell culture medium.
<b>Immunogen</b>	Recombinant Norovirus (genogroup I) capsid protein (amino acid 454 to 520) corresponding to the protruding 1 (P1) subdomain expressed in <i>Escherichia coli</i> .
<b>Isotype</b>	Mouse IgG1
<b>Reactivity</b>	Norovirus capsid protein of genogroup I
<b>Special notes</b>	N/A
<b>Application</b>	<ol style="list-style-type: none"> <li>Western blotting (1/500~1/1,000 )</li> <li>ELISA (assay dependent)</li> </ol> Other applications have not been tested.
<b>Background</b>	Noroviruses are responsible for most acute nonbacterial epidemic outbreak of gastroenteritis worldwide. Norovirus is comprised of two genogroups based on sequence differences. The major capsid protein, VP1, is comprised of protruding (P) domain. The P domain divided into the P1 subdomain (residues 226-278 and 406-520) and P2 subdomain (279-450)
<b>Data Link</b>	Uni-ProtKB <a href="#">Q83884</a> (CAPSD NVN68) GenBank accession number <a href="#">M87661</a> , <a href="#">AY134748</a>
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 65-412 Anti-Norovirus Capsid antibody, mouse monoclonal (NVGI-01), GI- specific



**Fig.1** Detection of Norovirus capsid protein by Western blotting with monoclonal antibody (NVGI-01) .

1. Recombinant Norovirus capsid protein of Genogroup I (Norwalk virus)
2. Recombinant Norovirus capsid protein of Genogroup II (Snow mountain virus)

NVGI-01 reacts with Norovirus capsid protein of genogroup I with molecular weight of approximately 58 kD, but does not with genogroup II,

GI				GII						
GI.1	GI.4	GI.6	GI.8	GII.1	GII.2	GII.3	GII.4	GII.9	GII.12	GII.17
+	+	+	+	-	-	-	-	-	-	-

**Tabel 1.** Detection of Norovirus in fecal samples by using MAb (NVGI-01) as capture antibody in ELISA assay.

Monoclonal antibody (NVGI-01) as a capture antibody and rabbit anti-norovirus antiserum as a partnership antibody were used in a sandwich ELISA format. The assay was applied to clinical samples containing Norovirus from several different genotypes. All four fecal samples of Genogroup I (GI) were positive, while all 7 fecal samples of Genogroup II (GII) were negative.

**Reference:** This antibody has not yet used in publication

**Related products:**

65-410 Anti-Norovirus Capsid antibody, mouse monoclonal (NVGC-01), GI and GII cross-reactive

65-414 Anti-Norovirus Capsid antibody, mouse monoclonal (NVGII-01)