

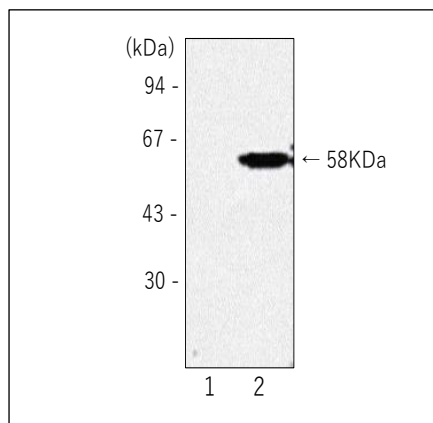
**Anti-Norovirus Capsid antibody, mouse monoclonal (NVGII-01), GII- specific**

65-414      100 µg

**Shipping and Storage:** Shipped at 4°C or -20°C, store at -20°C.**Immunogen:** Synthetic peptide corresponding to the protruding 1 (P1) subdomain of Norovirus (genogroup II) capsid protein (amino acids 473 to 494)**Form:** 1.0 mg/ml in PBS<sup>-</sup> with 50% glycerol, filter sterilized.**Purity:** affinity-purified with Protein A**Isotype:** mouse IgG1**Reactivity:** Reacts with Norovirus capsid protein of genogroup II**Applications:**

1. Western blotting (1/500~1/1,000 )
2. ELISA (assay dependent)

Other applications have not been tested.

**Background:** 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).Data Link: Uni-ProtKB [Q96877](https://www.uniprot.org/entry/Q96877) (Q96877\_9CALI)GenBank accession number [U70059](https://www.ncbi.nlm.nih.gov/nuccore/U70059)**Fig.1. Detection of norovirus capsid protein by Western blotting using monoclonal antibody (NVGII-01).**

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

NVGII-01 reacts with norovirus capsid protein of genogroup II with molecular weight of approximately 58kD, but does not with genogroup I.

**Tabel 1. Detection of norovirus in fecal samples by using MAb (NVGII-01) as capture**

antibody in ELISA assay.

GI				GII								
GI.1	GI.4	GI.6	GI.8	GII.1	GII.2	GII.3	GII.4	GII.6	GII.7	GII.9	GII.12	GII.17
-	-	-	-	+	+	+	+	+	+	+	+	+

Monoclonal antibody (NVGII-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 9 fecal samples of Genogroup II (GII) were positive, while all 4 fecal samples of Genogroup I (GI) were negative.

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

**Related products:**

- 1) 65-410 Anti-Norovirus capsid antibody, GI and GII cross-reactive, mouse monoclonal (NVGC-01)
- 2) 65-412 Anti-Norovirus capsid antibody, GI-specific, mouse monoclonal (NVGI-01)