

## Anti-Norovirus GII.4 [12A11] Bulk Size Ab03847-23.0-BT

**Isotype and Format:** Rabbit IgG, Lambda

**Clone Number:** 12A11

**Alternative Name(s) of Target:**

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA, blocking

**Published Species Reactivity:** Norovirus

**Immunogen:** A phage-displayed antibody library was generated from peripheral blood of healthy persons. The original antibody was isolated by screened using purified virus-like particles (VLPs) of strain Narita 104 (r104, genogroup II, genotype 4).

**Specificity:** The antibody is specific for Norovirus GII.4. The antibody shows intra-genogroup cross-reactivity to genotypes 1, 3-7, 12, and 14 of genogroup II.

**Application Notes:** The specificity of the original format of the antibody was confirmed by ELISA analysis. The blocking activity of the antibody against the interaction of homotypic VLPs with histo-blood group antigens were also assessed as an alternative to neutralization assay. The antibody showed a low blocking activity.

**Antibody First Published in:** Higo-Moriguchi et al. Isolation of cross-reactive human monoclonal antibodies that prevent binding of human noroviruses to histo-blood group antigens J Med Virol. 2014 Apr;86(4):558-67. [PMID:24026909](#)

**Note on publication:** The original paper identified a panel of human monoclonal antibodies targeting norovirus.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.