

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.