

12-8346: Anti-Norovirus Genogroup I, Capsid (NORO-0558)

Clonality : Monoclonal
Clone Name : NORO-0558
Application : ELISA
Isotype : Mouse IgG1

Description

Specificity: Anti-Norovirus (Clone NORO-0558) is specific for the GI capsid protein and does not react with GII capsid.
Background: Noroviruses (NoV) are a highly contagious group of genetically diverse single-stranded positive-sense RNA, non-enveloped viruses that are a major cause of acute gastroenteritis worldwide. Norovirus is responsible for outbreaks of severe vomiting, diarrhea, and stomach cramps in many settings including healthcare facilities, other institutional settings (schools, daycares, prisons, etc), or any place where there is increased person-to-person contact (including cruise ships). It is primarily transmitted through the fecal-oral route, either by consuming contaminated food or water, touching contaminated surfaces, or having direct contact with infected individuals. Proper hygiene practices, thorough disinfection of contaminated surfaces, and appropriate food handling are crucial in preventing and controlling norovirus outbreaks. Noroviruses are classified into two major groups, Genogroup I and Genogroup II. While there are similarities between the genogroups there are also notable differences including in genetic diversity, epidemiology, clinical presentation, immune responses, outbreaks, binding specificity, and environmental stability. The capsid protein of Norovirus can be used for both genotyping and strain identification. Antibodies directed against the capsid protein are used to develop immunoassays such as ELISA and lateral flow assays to detect the virus in clinical samples.

Product Info

Amount : 250µg
Purification : Purity: >=90%
Preparation: This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations.
Concentration: >=1.0 mg/ml
Content : Formulation: Formulated in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.
Storage condition : This purified antibody is stable when stored at 2-8°C. Do not freeze.

Application Note

ELISA: 1:20-1:200