

12-8566: Anti-Rotavirus (Clone ROTA-2740)

Clonality : Monoclonal
Clone Name : ROTA-2740
Application : ELISA
Isotype : Mouse IgG2b

Description

Specificity

Anti-Rotavirus (Clone ROTA-2740) is specific for the intact virus of strains RRV, WA, SA11 and bovine. It is non-reactive with Influenza A and B, Adenovirus, *M. pneumoniae*, *H. pylori*, Parainfluenza Virus 1, 2, 3, and mammalian cells.

Background

Rotavirus is a highly contagious, double-stranded RNA virus that is the leading cause of severe gastroenteritis in infants and young children worldwide. It belongs to the Reoviridae family and is classified into different serotypes based on the antigenic properties of its outer protein coat. Rotavirus spreads primarily through the fecal-oral route, either by direct contact with an infected person or by consuming contaminated food or water. The virus replicates in the small intestine, leading to the destruction of the intestinal epithelial cells, which results in diarrhea, vomiting, fever, and dehydration. Rotavirus infections are particularly dangerous in developing countries with limited access to proper sanitation and healthcare, where they contribute significantly to childhood morbidity and mortality. Vaccination against rotavirus has shown to be highly effective in reducing severe rotavirus infections and associated hospitalizations.

Product Info

Amount :	250 µg
Purification :	Purity: ≥90% Product Preparation: This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations. Product 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