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12-8136: Anti-Rotavirus (Clone: RV6-26)

Clonality :	Monoclonal
Clone Name :	RV6-26
Application :	ELISA,FACS
Isotype :	Human IgG
Immunogen Information :	Human Mab RV6-26 was sequenced from RV-specific B cells isolated from the blood of healthy adult donors or RV-infected infants or adults

Description

Reactivity Species : Rotavirus-Virus
Expression Host : HEK-293
Endotoxin Level : ≤ 1.0 EU/mg as determined by the LAL method.
Specificity : RV6-26 activity is directed against a quaternary epitope on VP6. This human monoclonal antibody RV6-26 binds at the viral RNA release pore in the DLP and is able to neutralize RV by inhibiting transcription. Structural data suggest steric hindrance inhibits the transcriptional pore.

Background : Rotaviruses (RV) are double-stranded, non-enveloped, icosahedral RNA viruses in the Reoviridae family that cause severe dehydrating diarrhea in infants and children. RV particles are composed of concentric viral protein (VP) layers. The triple-layered particle has an inner capsid layer (VP2), an intermediate capsid layer (VP6), and an outer capsid layer (VP7, VP4). The transcriptionally active double-layered particle (DLP) consists of VP2 and VP6. VP6 is the most antigenic RV protein in humans. The antibody VH1–46 gene segment is the site of primary interaction with VP65.

Product Info

Amount :	100 µg
Purification :	â‰¥95% monomer by analytical SEC
Content :	â‰¥ 5.0 mg/ml Formulation : This recombinant monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.
Storage condition :	Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one year. For longer term storage, aseptically aliquot in working volumes without diluting and store at â‰¥ -70°C. Avoid Repeated Freeze Thaw Cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.