

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 VP6.

Product Info

Amount :	100 μ g
Purification :	$\geq 95\%$ monomer by analytical SEC
Content :	≥ 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 -70°C . Avoid Repeated Freeze Thaw Cycles.