



# Magic™ Anti-Rotavirus Monoclonal antibody, Clone C207N (DCAB-TJ117)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts with intact virus of strains RRV, WA, SA-11 and bovine. Immunostains infected cells. Does not react with Influenza A, Influenza B, RSV, Parainfluenza 1, 2 & 3, Adenovirus, M pneumonia, H. pylori and Mammalian cells.
<b>Target</b>	Rotavirus
<b>Immunogen</b>	Purified Rhesus Rotavirus (RRV)
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rotavirus
<b>Clone</b>	C207N
<b>Purification</b>	> 90% pure. Protein A Chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA and IFA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended pairs fo Suggested pair for testing (Capture - Detection): DCAB-TJ117 - <a href="#">DCAB-TJ116</a>
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	100 µg/mL (OD280 nm, E0.1% = 1.3)
<b>Size</b>	100 µg

<b>Buffer</b>	0.01 M PBS, pH 7.2 Product contains no stabilizing protein.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Upon receipt, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	Rotavirus is the most common cause of severe diarrhea among infants and young children. It is a genus of double-stranded RNA virus in the family Reoviridae. Nearly every child in the world has been infected with rotavirus at least once by the age of five. Immunity develops with each infection, so subsequent infections are less severe; adults are rarely affected. There are five species of this virus, referred to as A, B, C, D, and E. Rotavirus A, the most common species, causes more than 90% of rotavirus infections in humans.
<b>Keywords</b>	Rotavirus