

Anti-Rotavirus VP6 11101 SPTN-5

Product overview

Catalog number	100715
Specificity	Antibody recognizes Rotavirus VP6
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	18 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	Rotavirus infection is the leading cause of severe diarrhea and dehydration in young children. Rotavirus viral protein 6 (VP6), which is highly conserved and the most abundant protein on the viral capsid, is a good target for diagnostic use in Rotavirus immunoassays.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.8–7.5
Purity	≥ 95 %

Kinetic parameters

Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-



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Cross-reactivities	N/D	
Epitope	N/D	
Pair recommendations	CAPTURE ANTIBODY 11101	DETECTION ANTIBODY 11101

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested	FIA	
Antigens tested	Recombinant Rotavirus VP6 antigen, Medix Biochemica 610145.	
Product stability	TEMPERATURE, TIME	RESULT
	-70 °C, 21 days	OK
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+35 °C, 21 days	OK
	+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous -

References -



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