

**MONOTOPE™** product information for

**Norovirus - genogroup II**

**I. Monoclonal Antibody (Mouse) Specificity**

Product No.'s	Ig class	
4931	IgG1	Specific for the GII capsid protein. Does not cross react with GI. ELISA & WB. See pairing info below.
4932	IgG2b	Specific for the GII capsid protein. Broad genogroup reactivity. ELISA, LF & WB. See pairing info below.
4933	IgG1	Specific for the GII capsid protein. Does not cross react with GI. ELISA. See pairing info below.
4934	IgG1	Specific for the GII capsid protein. May cross react with GI. ELISA, LF & WB. See pairing info below.
4935	IgG1	Specific for the GII capsid protein. Does not cross react with GI. ELISA & LF. See pairing info below.
4936	IgG1	Reactive with GII.10 and GII.17 VLPS. ELISA.
4937	IgG1	Reactive with GII.17 VLPS. ELISA.

**II. Purified Preparations**

Product No.'s
4931
4932
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4934
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4937

MONOTOPE™ purified preparations consist of >90% pure mouse monoclonal antibody which has been purified from ascites fluid or culture medium by protein A chromatography or sequential differential precipitations. The final preparation is formulated to a protein concentration of 100 µg/ml in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Each vial contains 1.0 ml. This product contains no stabilizing proteins and should be stored at 2-8°C until ready for use. Working dilution must be determined by the user. Suggested starting ranges are 1:10-1:50 for IFA and 1:20-1:200 for ELISA.

THESE PRODUCTS ARE FOR RESEARCH USE ONLY NOT FOR USE IN DIAGNOSTIC PROCEDURES

**III. Fluorescein Conjugates**

Product No.'s

These MONOTOPE™ products consist of purified monoclonal antibody conjugated with high purity isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product. The final preparation is formulated to an antibody concentration of 100 µg/ml in 0.01 M phosphate buffered saline, pH 7.2 containing 0.1% sodium azide plus bovine serum albumin at 10 mg/ml. Each vial contains 1.0 ml. This product should be stored at 2-8°C until ready for use. Avoid repeated freeze-thawing by storing multiple aliquots at -20°C. Applications for these products include direct FA staining of target antigen in a permissive tissue culture system. Working strength must be determined by the user for each specific application but a starting range of 1:5 - 1:20 is recommended. Acetone fixation of the antigen source is recommended prior to staining.

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**Comments:** Best ELISA pairs (capture-conjugate): 4931-4932, 4932-4932, 4932-4933  
Best Lateral Flow IA pair (capture-conjugate): 4935-4933, 4935-4935  
4932 reacts with genogroups I, II, III, IV & V  
4933 used as ELISA capture for GII.4 positive stool specimens  
4934 inhibits VLP binding and neutralizes newer GII.4 strains. Cited as "10E9" in literature