

MONOTOPE™ product information for
Salmonella sp.

I. Monoclonal Antibody (Mouse) Specificity

Product No.'s	Ig class	
6301	IgG1	Specific for flagellum protein present in most Salmonella species. Broadly reactive in ELISA.
6321	IgG2a	Specific for flagellum protein present in most Salmonella species. Broadly reactive in ELISA.
6345	IgG2a	Specific for Salmonella typhi LPS. Functions in ELISA & IFA.
6331	IgG1	Specific for Salmonella typhimurium via whole cell ELISA.

II. Purified Preparations

Product No.'s	6301
	6321
	6345
	6331

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 -20°C until ready for use. Avoid repeated freeze-thawing by storing multiple aliquots at -20°C. Working dilution must be determined by the user. Suggested starting ranges are 1:10-1:50 for IFA, blotting & IHC and 1:20-1:200 for ELISA. Custom conjugation of this antibody with HRP, alkaline phosphatase, biotin and fluorescein is available on a minimum order basis

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 -20°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: 6301 known to react with following species: paratyphi A, tennessee, enteritidis, westphalia, anatum, cubana, cook, pullorum, gallinarum

6321 known to react with following species: paratyphi A, tennessee, enteritidis, westphalia, anatum, cubana, cook, typhimurium