

MONOTOPE™ product information for
Helicobacter pylori

I. Monoclonal Antibody (Mouse) Specificity

Product No.'s	Ig class	
6611	IgG3	Western blot pattern of numerous bands between 35 kDa & 55 kDa. Possible LPS. Functions in IHC.
6621	IgG1	Reactive with the 19 kDa (OMP) of H. pylori in ELISA, IFA and western blot. Negative for related bacteria
6631	IgG1	Reactive with the 19 kDa (OMP) of H. pylori in ELISA, IFA and western blot. Negative for related bacteria
6641	IgG1	Reactive with the 54 kDa (flagellin) of H. pylori in ELISA, IFA and western blot. Neg. with related bacteria
6651	IgG1	Reactive with the 54 kDa (flagellin) of H. pylori in ELISA, IFA and western blot. Neg. with related bacteria
6661	IgG2a	Reactive with the 58 kDa (HSP) of H. pylori in ELISA, IFA and western blot. Neg. with related bacteria*
6671	IgG1	Reactive with 19 kDa (strong) + 58 kDa (weak) in ELISA, IFA and western blot. Neg. with related bacteri

II. Purified Preparations

Product No.'s
6611
6621
6631
6641
6651
6661
6671

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: * Non-reactive in ELISA with: C. jejuni, E. coli (mix), Salmonella (mix), Shigella (mix), P. aeruginosa, Yersinia and Citrobacter