

Rabbit Anti-Shigella species Polyclonal Antibody

Rabbit, Polyclonal (Shigella species)

Cat. No. DPAB0244

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Rabbit Antibody to Shigella species

Specificity: Polyvalent for Shigella antigens. Reacts with Shigella species including sonnei. Antiserum is not absorbed and does react with related Enterobacteriaceae.

Immunogen: Mixture of *S. boydii*, *S. flexneri* and *S. dysenteriae*

Host animal: Rabbit

Format: FITC, Liquid

Applications: Suitable for use in direct IFA. Acetone fixation of the antigen source is recommended prior to staining. Spot suspension of bacteria onto slide. Air dry. Fix slide with 100% Acetone for 5 minutes at room temperature. Air dry. Stain. Enzyme amplification following reaction with FITC conjugate can also be accomplished utilizing enzyme-antibody conjugates specific to FITC. 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.

Purification: Purified IgG fraction covalently coupled with high purity Isomer 1 of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

REFERENCES

1. Sapsford, K.E., et al., (2004), "Detection of campylobacter and shigella species in food samples using an array biosensor", *Analytical Chemistry*, 76(2): 433-440.
2. Robbins JR, Barth AI, Marquis H, de Hostos EL, Nelson WJ, Theriot JA (1999). "Listeria monocytogenes exploits normal host cell processes to spread from cell to cell." *J Cell Biol* 146 (6): 1333-50.

BACKGROUND

Introduction: Shigella is a genus of Gram-negative, non-motile, non-spore forming rod-shaped bacteria closely related to *Escherichia coli* and *Salmonella*. The causative agent of human shigellosis, Shigella also cause disease in other primates, but not in other mammals.

Keywords: *S. boydii*; *S. dysenteriae*; *S. flexneri*; *S. sonnei*; Shigella Boydii; Shigella Dysenteriae; Shigella Flexneri; Shigella Sonnei; Bacteria; Proteobacteria; Gamma Proteobacteria; Enterobacteriales; Enterobacteriaceae; Shigella; *S. flexneri*; Shigella flexneri

PACKAGING

Concentration: 4-5mg/ml (OD280nm, E0.1% = 1.4)

Buffer: 0.01M PBS, pH 7.2 containing 10mg/ml BSA.

Preservative: 0.1% Sodium Azide

Storage: Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warnings: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1-1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.