Anti-Shigella antibody ab19988

Overview

Product name: Anti-Shigella antibody
Description: Rabbit polyclonal to Shigella
Host species: Rabbit
Specificity: Cross reacts with all Shigella species tested (S. sonnei and S. flexneri). Reacts with more than 50 proteins by Western blot of Heat/SDS/DTT solubilized S. sonnei.

Tested applications: Suitable for: Dot blot, WB, ELISA
Species reactivity: Reacts with: Other species
Immunogen: Membrane extract from both Shigella sonnei and flexneri. Antigen deactivated prior to immunization by heat inactivation and sonication.
Positive control: Western blot of Heat/SDS/DTT solubilized S. sonnei.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.1% Proclin
Constituent: Whole serum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab19988 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<td>ELISA</td>
<td>Dot: Use at an assay dependent dilution. ELISA: Sandwich ELISA as either capture or detection antibody for direct detection of antigen. Use at an assay dependent dilution. WB: Use at an assay dependent dilution. Also suitable for latex agglutination. Dilution optimised using Chromogenic detection. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user.</td>
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**Relevance**

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. Shigella species are classified by four serogroups: *Serogroup A: S. dysenteriae* (12 serotypes) * Serogroup B: S. flexneri* (6 serotypes) * Serogroup C: S. boydii* (23 serotypes) * Serogroup D: S. sonnei* (1 serotype) Shigella infection causes dysentery that results in the destruction of the epithelial cells of the intestinal mucosa in the cecum and rectum. Some strains produce enterotoxin and Shiga toxin, similar to the verotoxin of E. coli O157:H7.

*Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"*

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