



RayBiotech, Inc.

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Norcross, GA 30092
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Certificate of Analysis and Data Sheet

Rabbit Anti-Shigella sp.

Catalog No.

MD-05-0443

Description:

Rabbit anti Shigella sp.

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.

Host Animal:

Rabbit

Immunogen:

Mixture of *S. boydii* (ATCC #8700), *S. flexneri* (ATCC #29903) and *S. dysenteriae* (ATCC #13313)

Format:

Purified, Liquid

Purification:

>95% pure. Protein A chromatography

Concentration:

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

Buffer:

0.01M PBS, pH 7.2

Product contains no stabilizing proteins.

Preservative:

0.1% Sodium azide

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications:

Suitable for use in 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. It is also suitable for conjugation purposes.

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.

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.

References:

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

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