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Polyclonal Antibody to Protein A - Texas Red

Alternate names: SPA, Staphylococcal protein A, Staphylococcus aureus protein A

Catalog No.: AP09121TR-N

Quantity: 20 mg

Concentration: 10.0 mg/ml (by UV absorbance at 280 nm)

Host / Isotype: Goat / IgG

Immunogen: Protein A [Staphylococcus aureus]

Format:
State: Lyophilized Ig fraction
Purification: Multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 as buffer, 10 mg/ml Bovine Serum Albumin (BSA) IgG and Protease free as stabilizer, 0.01% (w/v) Sodium Azide as preservative
Label: Texas Red – (TM) Sulfonyl Chloride (Molecular Weight 625 daltons)
Absorption / Emission: 596 nm / 620 nm
Molar Ratio: 1.5 moles Texas Red(TM) per mole of Goat IgG
Reconstitution: Restore with 2.0 ml of deionized water (or equivalent).

Applications: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.
Flow cytometry: 1:2,000 - 1:10,000.
Immunoflourescence: 1:500 - 1:2,500.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects Protein A.
Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Protein A [Staphylococcus aureus], anti-Goat IgG and anti-Goat Serum.

Storage: Store vial at 2-8° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for two weeks at 2-8° C as an undiluted liquid. Dilute only prior to immediate use.
Shelf life: One year from despatch.

General References: J.A. Titus, P.P. Haugland, S.D. Sharrow, D.M. Segal J. Immunol. Methods 50; 193, 1982.