

Protein A, Cy3 conjugated

Catalog Number : bs-0362P-Cy3

Quantity size: 100ul, 1ml

Concentration: 1mg/ml. Buffer = 0.01M TBS(pH7.4) with 1%BSA, 0.03% Proclin300 and 50% Glycerol.

Background: Protein A is a surface protein of S.aureus which binds IgG molecules by their Fc region. In serum, the bacteria will bind IgG molecules in the wrong orientation on their surface which hinders opsonization and phagocytosis. Mutants of S. aureus lacking protein A are more efficiently phagocytosed in vitro, and mutants in infection models have diminished virulence. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein A is considered a universal reagent in biochemistry and immunology.

Specificity:

- mol wt: 55kDa
- Purity: $\geq 95\%$
- Cy3 conjugated.

Application:

- Excitation spectrum: 552nm
- Emission spectrum: 570nm
- Optimal working dilutions must be determined by the end user.

Storage: Shipped at 4°C, Store at -20°C (Avoid repeated freeze/thaw cycles).

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.