

Active Native Staphylococcus aureus Protein A, FITC labeled

Cat. No. SPA-4893S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Staphylococcus aureus full length Protein A (FITC labeled, Ex: 493nm, Em: 528nm) extract from S. aureus.
Species	S.aureus
Source	S. aureus
Description	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.
Form	Liquid
Bio-activity	Activity: Chlorzoxazone 6-hydroxylase Linear with time up to: 15 min Linear with P450 up to: 30 pmol/ml Vmax: 20 pmol/min/pmol CYP Km: 243 μ M
Molecular Mass	56 kDa

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Applications	Flow Cytometry Immunomicroscopy
Storage	Store at 4 centigrade.
Concentration	1 mg at 1 mg/mL
Storage Buffer	pH: 7.20 Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride, BSA
Preservative	0.01% Sodium azide
Shipping	Shipped at 4 centigrade.
Full Length	Full L.

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