

S. aureus Protein A (IRDye800CW conjugated) - IRDYE800CW

Catalog No.:	RA100D8C
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
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.
Species:	S. aureus
Format:	State: Lyophilized Purity: >95% Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml BSA and 0.01% (w/v) Sodium Azide Label: IRDye(TM)800CW (MW 1166.2) Fluorochrome/Protein Ratio: 0,7 IRDye(TM)800CW/mole of Protein A Absorption/Emission: 774 nm / 800 nm Reconstitution: Restore with 0.5 ml of deionized water (or equivalent).
Applications:	LI-COR Odyssey(R) BLOT: 1/5,000 - 1/25,000. LI-COR In-Cell Western(R): 1/800 - 1/1,200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Single precipitin arc against anti-Protein A.
Storage:	Prior to and following reconstitution store the protein at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.