

## PRODUCT DATA SHEET



# Bioepitope<sup>®</sup> Protein A Reagent

**Catalog Number:** BD0041

**Quantity:** 5mg 100mg 1g

**MW:** 32 kD (SDS-PAGE)

**Purity:** 95%

**The pH range:** pH 2.0-11.0

**Storage:** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C.

**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.

**Specificity:** Protein A is suitable for immunoprecipitation of mouse IgG2a, IgG2b, and IgA, rabbit IgG, and human IgG1, IgG2 and IgG4.

**Research Use:** For research use only, not for use in diagnostic procedures.

### Ordering information:

Product	Specificity	Catalog Number	Amount
Protein A	mouse IgG2a, IgG2b and IgA rabbit polyclonal Abs human IgG1, IgG2 and IgG4	BD0041	5mg 100mg 1g
Protein G	mouse IgG1, IgG2a, IgG2b and IgG3 rat IgG1, IgG2a, IgG2b and IgG2c rabbit and goat polyclonal Abs human IgG1, IgG2, IgG3 and IgG4	BD0042	5mg 100mg 1g

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