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## **PRODUCT INFORMATION**

### **Protein A Agarose Resin**

#### ***Product information for BSP095:***

#### **Description**

Protein A agarose Resin (cat. No. BSP095) is useful for affinity purification and isolation of IgG. Protein A, a bacterial cell wall protein isolated from *Staphylococcus aureus*, binds to mammalian IgGs, mainly through Fc regions. Native protein A has five IgG binding domains and many other domains of unknown functions. Recombinant protein A contains mainly five high affinity ( $K_a=10^8/M$ ) IgG binding domains with other non-essential domains removed to reduce nonspecific binding. Protein A agarose has been used to isolate and purify classes, subclasses and fragments of immunoglobulins from biological fluids and from cell culture media. Since only the Fc region is involved in binding, the Fab region is available for binding antigens. These qualities of protein A agarose combined with Bio Basic Inc.'s precision and affordability make Protein A agarose ideal for the isolation of protein complexes by immunoprecipitation.

#### **Specification:**

Bio Basic Inc. (BBI) provides this product with some specific features:

- (1). High IgG-binding capacity
- (2). Milder elution condition than protein G agarose
- (3). Agarose is reusable up to 10 times with no significant loss of binding capacity
- (4). Product contains 50% preservatives and 50% Protein A Agarose Resin

#### **Usage:**

This material is offered for research, laboratory or further evaluation purpose.

#### **Storage:**

Storage in 2-8°C