



PRODUCT INFORMATION

Protein G Agarose

Description

Protein G Agarose consists of recombinant protein G, which is produced in *E. coli* and after purification, is covalently immobilized onto 4% cross-linked agarose beads. Protein G agarose is suitable for the isolation of IgG antibodies using column or immunoprecipitation methods. DNA sequencing of native protein G (from Streptococcal group G) has revealed two IgG-binding domains as well as sites for albumin and cell surface binding (1 - 6). Protein G has been designed to eliminate the albumin and cell surface binding domains to reduce nonspecific binding while maintaining efficient binding of the Fc region of IgG's. With the removal of these binding domains, Protein G can be used to separate albumin from crude human IgG samples.

Specification:

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

- (1). Bind capacity: approximately 20mg human IgG/ml drained gel
- (2). Exclusion limit: approximately 2×10^7
- (3). pH stability: 3-9 (for use), 2-10 (for cleaning)
- (4). Ligand density: ~ 2mg Protein G/ml drained gel
- (5). Bead structure: 4% highly cross-linked agarose
- (6). Bead size range: 45-165 μ m

Usage:

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

Storage:

Storage in 2-8°C