

PRODUCT DATA SHEET



Bioepitope[®] Protein G Reagent

Catalog Number: BD0042

Quantity: 5mg 100mg 1g

MW: 58 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 G is a bacterial protein derived from the cell wall of certain strains of b-hemolytic Streptococci. It binds with high affinity to the Fc portion of various classes and subclasses of immunoglobulins from a variety of species. Protein G binds to all IgG subclasses from human, mouse and rat species. It also binds to total IgG from guinea pig, rabbit, goat, cow, sheep, and horse. Protein G binds preferentially to the Fc portion of IgG, but unlike Protein A can also bind to the Fab region, making it useful for purification of F(ab') fragments of IgG. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein G is considered a universal reagent in biochemistry and immunology.

Specificity: Protein G is suitable for immunoprecipitation of mouse IgG1, IgG2a, IgG2b and IgG3, rat IgG1, IgG2a, IgG2b and IgG2c, rabbit and goat polyclonal Abs, and human IgG1, IgG2, IgG3 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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