

### Recombinant Protein G ab153690

#### Description

<b>Product name</b>	Recombinant Protein G
<b>Biological activity</b>	ab153690 binds to the Fc region of many types of immunoglobulin G. It binds to all four subclasses of human IgG and to IgG from mouse, rabbit., guinea pig, rat, goat, sheep, cow and horse. It does not bind to IgG from chicken or cat, and bind weakly to IgG from dog. Protein G does not binds to human IgA, IgM or serum albumin.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P19909</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Amino acids</b>	1 to 593
<b>Description</b>	Recombinant Protein G

#### Specifications

Our **Abpromise guarantee** covers the use of **ab153690** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Form</b>	Lyophilized
<b>Additional notes</b>	ab153690 binds to the Fc region of many types of immunoglobulin G. It binds to all four subclasses of Human IgG and to IgG from mouse, rabbit, guinea pig, rat, goat, sheep, cow and horse. It does not bind to IgG from chicken or cat, and binds weakly to IgG from dog. Protein G does not binds to Human IgA, IgM or serum albumin. ab153690 binds to the Fc region of many types of immunoglobulin G. It binds to all four subclasses of human IgG and to IgG from mouse, rabbit., guinea pig, rat, goat, sheep, cow and horse. It does not bind to IgG from chicken or cat, and bind weakly to IgG from dog. Protein G does not binds to human IgA, IgM or serum albumin.

#### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C.
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#### General Info

**Relevance**

Protein G is a bacterial protein derived from the cell wall of certain strains of *β*-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 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.

**Cellular localization**

Cell Wall and Secreted

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

**Our Abpromise to you: Quality guaranteed and expert technical support**

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