

Product datasheet

Recombinant Protein G ab153690

Description

Product name	Recombinant Protein G
Biological activity	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.
Expression system	Escherichia coli
Accession	P19909
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Amino acids	1 to 593

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.

Form	Lyophilized
Additional notes	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

Stability and Storage	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 b-hemolytic Streptococci. It binds with high affinity to the Fc portion of various classes and subclasses of
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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"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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