

Product datasheet

HRP Anti-Protein G antibody ab18599

Overview

Product name	HRP Anti-Protein G antibody
Description	HRP Chicken polyclonal to Protein G
Host species	Chicken
Conjugation	HRP
Tested applications	Suitable for: WB, ELISA
Immunogen	Recombinant fragment corresponding to Protein G. Purified recombinant protein G lacking the albumin binding region.

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.19% HEPES, 0.58% Sodium chloride, 0.2% BSA
Purity	Immunogen affinity purified
Purification notes	After multiple immunizations in Freund's adjuvant, eggs were collected and delipidated. Antibodies were immunoaffinity purified off protein G agarose and conjugated with horseradish peroxidase (HRP).
Clonality	Polyclonal
Isotype	IgY

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab18599 in the following tested applications.

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

Application	Abreviews	Notes
WB		1/1000 - 1/10000.
ELISA		1/5000 - 1/20000.

Target

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

- 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

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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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