

## Product datasheet

# Anti-Protein G antibody (FITC) ab7249

### Overview

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<b>Product name</b>	Anti-Protein G antibody (FITC)
<b>Description</b>	Rabbit polyclonal to Protein G (FITC)
<b>Host species</b>	Rabbit
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Tested applications</b>	<b>Suitable for:</b> Immunomicroscopy, Flow Cyt
<b>Immunogen</b>	Protein G [ <i>Streptococcus</i> sp]
<b>Positive control</b>	Natural Protein G ( <a href="#">ab7458</a> ) can be used as a positive control in WB.
<b>General notes</b>	Diaminotriazynlaminofluorescein (DTAF) (Molecular Weight 530 daltons), Absorption Wavelength: 495 nm, Emission Wavelength: 528 nm, Fluorochrome/Protein Ratio: 4.0 moles DTAF per mole of Rabbit IgG

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
<b>Purity</b>	IgG fraction
<b>Purification notes</b>	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab7249** 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
Immunomicroscopy		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <a href="#">ab37406</a> - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

## Target

### Relevance

Protein G is a bacterial protein derived from the cell wall of certain strains of  $\beta$ -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

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