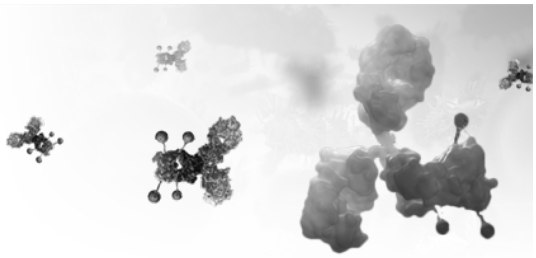

# Anti-Mouse IgG Fc polyclonal antibody [Biotin] (DPAB1317GM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| **Product Overview** | Goat Antibody to Mouse Immunoglobulin G (IgG), Fc-gamma Fragment Specific Biotin conjugated |
| **Specificity** | Based on immunoelectrophoresis, the antibody reacts with the heavy chains on mouse IgG but not with the light chains on most mouse immunoglobulins. No antibody was detected against mouse IgM, or against non-immunoglobulin serum proteins, but antibodies may cross react with immunoglobulins from other species. |
| **Immunogen** | Mouse IgG Fc fragments |
| **Source/Host** | Goat |
| **Species Reactivity** | Mouse |
| **Purification** | Immunoaffinity chromatography using antigens coupled to agarose beads. |
| **Conjugate** | Biotin |
| **Applications** | A dilution range of 1:20,000–1:400,000 is suggested for ELISA and Western blotting using enzyme-conjugated streptavidin, 1:500–1:5,000 for enzyme immunohistochemistry on tissue sections and 1:200–1:1,000 for flow cytometry and fluorescence immunohisto/cytochemistry. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. |
| **Concentration** | 1.2mg/ml (prior to lyophilization) |
| **Size** | 2 ml |
| **Buffer** | Lyophilized from 0.01M Sodium phosphate, 0.25M Sodium chloride, pH 7.6 containing 15mg/ml |

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|---|---|
| | BSA |
| **Preservative** | 0.05% Sodium Azide |
| **Storage** | Store lyophilized product at 2–8°C. After reconstitution, product is stable for up to 6 weeks at 2–8°Cas an undiluted liquid. Prepare working dilution only prior to immediate use. For extended storage after reconstitution, we suggest the addition of an eq |

# BACKGROUND

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| **Introduction** | Protein A is asurface protein of S.aureus which binds IgG molecules by their Fc region. Inserum, the bacteria will bind IgG molecules in the wrong orientation on theirsurface which hinders opsonization and phagocytosis. Mutants of S. aureus lackingprotein A are more efficiently phagocytosed in vitro, and mutants ininfection models have diminished virulence.Due to its affinity for the Fcregion of many mammalian immunoglobulins, protein A is considered a universalreagent in biochemistry and immunology. |
| **Keywords** | Immunoglobulin G; Ig gamma 1 chain C region; IGHG1; Immunoglobin heavy constant gamma 1; Immunoglobulin G.; IgG |

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