

Polyclonal Antibody to Protein G - FITC

Catalog No.:	AP09166FC-N
Quantity:	20 mg
Concentration:	10.0 mg/ml (by UV absorbance at 280 nm)
Background:	<p>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 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.</p> <p>Protein G binds preferentially to the Fc portion of IgG, but unlike Protein A 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.</p>
Host / Isotype:	Rabbit / IgG
Immunogen:	Protein G [Streptococcus species]
Format:	<p>State: Lyophilized IgG fraction</p> <p>Purification: Ion exchange chromatography</p> <p>Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml Bovine Serum Albumin (BSA) as stabilizer and 0.01% Thimerosal as preservative</p> <p>Label: FITC – Fluorescein isothiocyanate (Molecular Weight 390 daltons)</p> <p><i>Absorption / Emission:</i> 495 nm / 528 nm</p> <p>Reconstitution: Restore with 2.0 ml of deionized water (or equivalent).</p>
Applications:	<p>Immunofluorescence: 1/500 - 1/2500.</p> <p>Flow Cytometry: 1/2000 - 1/10000.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This antibody reacts to Protein G.
Storage:	<p>Prior to reconstitution store at 2-8°C.</p> <p>Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>