

AP33081AF-N**Polyclonal Antibody to Sheep IgG (Fc specific) - Azide Free****Alternate names:**

Sheep Immunoglobulin G

Quantity:

10 mg

Concentration:

10.0 mg/ml

Host / Isotype:

Rabbit / IgG

Immunogen:

Purified normal IgG isolated from pooled sheep serum.
Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:

State: Lyophilized purified hyperimmune IgG fraction
Purification: Hyperimmune antisera with strong activity are selected for fractionation by salt precipitation and purification of the IgG fraction by DEAE-chromatography.
Buffer System: PBS, pH 7.2
Preservatives: None, as it may interfere with the antibody activity.
Stabilizers: None
Reconstitution: Restore with 1 ml sterile distilled water.

Applications:**ELISA.****Dot blot.****Immunoblotting.****Indirect Immunofluorescence.**

Can be used As unlabelled primary or secondary reagent for indirect detection of IgG at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to prepare conjugates of the user's own choice; to prepare an insoluble immunoaffinity adsorbent or a solid phase antibody reagent by coupling to an artificial carrier and as catching antibody in non-isotopic methodology and solid phase immunochemistry. When applied in any cytochemical or histochemical staining procedure or solid phase coupling technique, the optimum concentration of the IgG preparation should be established by titration before being used.

Recommended Working Dilutions:

Histochemistry Use: 1/50-1/250.

ELISA and comparable non-precipitating antibody-binding assays: 1/1,000-1/5,000.

Antibody titre: 1/64 when tested against pooled normal sheep serum in agar-block immunodiffusion titration.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:	<p>The reactivity of the antiserum is directed to the Fc subunit of the IgG molecule which expresses strict isotypic (class) specificity. It does not react with any non-Ig protein in sheep serum, as tested by immunoelectrophoresis and double radial immunodiffusion.</p> <p>Cross-reactivity: Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail, however in double radial immunodiffusion a string reaction with goat has been observed.</p> <p>Species: Sheep. Other species not tested.</p>
Add. Information:	<p>Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies cross-reacting with other components of the immunoglobulin system or reacting with other serum proteins. Special attention is given to the removal of antibodies to common Ig/Fab. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.</p>
Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>