

## Polyclonal Antibody to Sheep IgG (H+L chain) - Azide Free

**Alternate names:** Sheep Immunoglobulin G

**Catalog No.:** AP33082AF-N

**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 techniques, to prepare conjugates with markers 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 or detection antibody in non-isotopic methodology and solid phase immunochemistry. When applied in any cytochemical or histochemical procedure or solids phase coupling technique, the optimum concentration of the IgG preparation should always be established by titration.  
**Recommended Working Dilutions:**  
Histochemistry Use: 1/50-1/250.  
ELISA and comparable non-precipitating antibody-binding assays: 1/500-1/5.000.  
**Precipitin 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:**

The reactivity of the antiserum is directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in sheep serum, as tested by immunoelectrophoresis and double radial immunodiffusion.

**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.

**Species:** Sheep.

Other species not tested.

**Add. Information:**

**Adsorption:** Not required

**Storage:**

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.