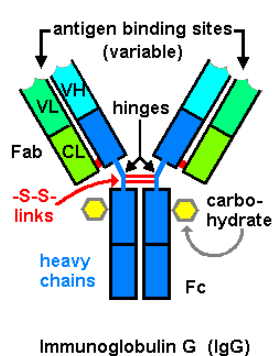


Product Data Sheet

Cat# 80852-HP

Goat Anti-Horse IgG F(ab')<sub>2</sub>-HRP conjugate

Size: 0.5 ml



Immunoglobulin G (IgG) is a type of antibody. It is a protein complex composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. IgG has molecular

weight of approximately 150 kDa, heavy or H chain approximately 50 kDa and light or L chain 25 kDa. Each IgG has two antigen binding sites. Representing approximately 75% of serum antibodies in humans, IgG is the most common type of antibody found in the circulation.

Goats were immunized with antigen grade **horse IgG F(ab')<sub>2</sub>**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. This product was prepared from monospecific antiserum by immunoaffinity chromatography using Horse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivity. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Horse IgG, Horse IgG F(ab')<sub>2</sub> and Horse Serum. No reaction was observed against Horse IgG F(c). Purified anti-Horse IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

**Form and Storage**

The antibody is supplied in PBS, pH 7.4, and 0.05% merthiolate and HRP stabilizing buffer in **liquid** form. Antibody conc. are typically ~0.5 mg/ml/. Store at 4°C in suitable aliquots. Stability is ~12 months. Do not freeze and thaw.

Suggested conjugate dilutions are:

1:1,000-1:10,000 ELISA

1:1000-1:5,000K for western,

1:200-1:1000 (IHC).

**Recommended Working Dilution for ELISA**

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. Working solution should be prepared immediately before use and diluted solution should be discarded.

**Related Material available for ADI**

Catalog#	Product Description
80810-F	Anti-Horse IgA-FITC Conjugate
80810-HP	Anti-Horse IgA-HRP Conjugate
80810-U	Anti-Horse IgA (Fc), unlabeled aff pure
80819	Anti-Horse IgG (H+L), unlabeled aff pure
80820	Anti-Horse IgG (H+L)-HRP conjugate
80840	Anti-Horse IgG (H+L)-Biotin conjugate
80850	Anti-Horse IgG (Fc), unlabeled aff pure
80851	Anti-Horse IgG (Fc)-HRP conjugate
80852-HP	Anti-Horse IgG F(ab') <sub>2</sub> -HRP conjugate
80860	Anti-Horse IgM, unlabeled aff pure
80861	Anti-Horse IgM-HRP conjugate
80870	Anti-Horse IgE, unlabeled aff pure
80871	Anti-Horse IgE-HRP conjugate
80872-U	Monoclonal Anti-Horse IgE, unlabeled

ELISA kits for the Horse IgG, IgM, and IgE

**Western blot recycling kit** (Use the same blot/strip to probe with multiple antibodies) **Strip Antibodies in 5 minutes** (no heating or mercaptoethanol)

80852-HP-Anti-Horse-IgG F(ab')<sub>2</sub>-HRP 150722A