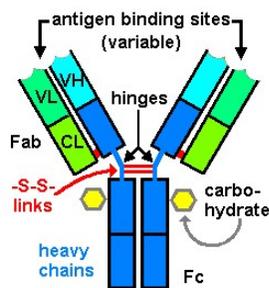


Product Data Sheet

Cat #. 70021R

Goat Anti- Anti-Monkey IgG (H+L)-HRP conjugate

Size: 0.5 ml



Immunoglobulin G (IgG)

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.

Rabbits were immunized with antigen grade monkey IgG (H+L). Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Antibodies were made specific for heavy-chain by removing any antibodies crossreactive with light chains. Purified anti-monkey IgG were labeled with highly purified preparation of horse radish peroxidase by periodate method.

Purity/Specificity

The conjugate contains affinity pure antibody at approximately 0.5 mg/ml. The molar enzyme to protein (E/P) ratio = 2:1. Specificity has been tested using IEP, immunodiffusion, and ELISA. The product reacts with monkey IgG only. The antibody may recognize other species IgG's that have common gamma chains, particularly IgG's from other related monkeys. However, no antibody is detected to other serum proteins or IgM or IgA.

Form and Storage

HRP-conjugate

Purified antibody was coupled to HRP (RZ>3.0) using periodate method. The molar enzyme to protein (E/P) ratio = 4.0. The antibody is supplied in stabilizing buffer, 0.1% proclin-300 as preservative in either **lyophilized** (0.5 ml) or **liquid** form (1 ml). Reconstitute powder in PBS in 1 ml. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 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.

All products are for in vitro research use only.

**Related Material available for ADI
Monkey IgG, IgA, IgM, and IgE ELISA kits**

Catalog# Prod Description

70010	Anti-Monkey IgG (H+L) aff pure, unlabeled
70020	Anti-Monkey IgG (H+L)-HRP conjugate
70021R	Anti-Monkey IgG (H+L)-HRP conjugate
70024	Anti-Monkey IgG (H+L)-Alk, Phosphatase conjugate
70029	Anti-Monkey IgG (H+L)-Biotin conjugate
70330	Anti-Monkey IgG (H+L)-FITC conjugate

ELISA kits for the detection of mouse Antibodies

70021R-Gt-Anti-Monkey-IgG
160729SV