
Goat Anti-Human IgG (gamma-chain)-HRP Conjugate

Catalog #. 10120

Size: 0.5 ml

Form: Liquid

Storage: Store at 4°C

Description

Goats were immunized with antigen grade human IgG. 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-human IgG (gamma-chain specific) were labeled with highly purified preparation of horse radish peroxidase by periodate method (1)

Form and Storage

The conjugate is provided as liquid in a peroxidase stabilizing buffer containing 1% BSA and 0.02% merthiolate as preservative. The product should be stored at 4°C and is stable for a minimum of 1 year. Do not store diluted solutions. Sodium azide, an inhibitor of peroxidase, must not be added in any buffers exposed to peroxidase.

Purity/Specificity

The conjugate contains affinity pure antibody at approximately 0.5 mg/ml. The molar enzyme to protein (E/P) ratio = 4.0.

Specificity has been tested using IEP,

immunodiffusion, and ELISA. The product reacts with human IgG only. The antibody may recognize other species IgG's that have common gamma chains. However, no antibody is detected to other serum proteins.

Antibodies have also been adsorbed to mouse serum proteins using solid phase affinity columns.

Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. However, dilution of 1:1000-1:5000 may be used as starting point. Working solution should be prepared immediately before use and any unused diluted solution should be discarded.

Antibody concentration must be optimized for each application under defined experimental conditions.

Related Material available for ADI

Single solution, ready to use, TMB substrates for Blotting & ELISA

Anti-Rabbit, Mouse, Human, Goat, Chicken IgG-HRP conjugates

StainAll reversible dye for Immunoblotting (visualize transfer of proteins on blotting membranes within seconds)

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

Chemiluminescence Substrates and Western blot kits (save by complete kit that includes Anti-rabbit IgG-HRP conjugate, blocking buffer, wash buffer, and Chemiluminescence Substrates for processing 15-30 std size blots).

This product is considered non-hazardous as defined by OSHA (CFR 1910.1200, Nov 25, 1983). It can be disposed of in the drain.

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