
Goat Anti-Human IgG (Gamma-chain sp.)-Alkaline Phosphatase Conjugate

Cat #. 10150 **Size:** 1 ml **Form:** Liquid

Storage: Store at 4°C

Description

Goats were immunized with antigen grade **human** IgG (gamma chain). Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Purified anti-**human** IgG was labeled with highly purified preparation of alkaline phosphatase using a modified glutaraldehyde procedure.

Form and Storage

The conjugate is provided in either **lyophilized** or **liquid** forms. The **liquid conjugate** is provided in an enzyme stabilizing buffer (0.05MM Tris buffer, Ph 8.0, 1 mM MgCl₂, 50% Glycerol, 10 mM Glycine, and 15 mM sodium azide. The product should be stored at 4°C for short term storage or frozen at -20°C or below in suitable aliquots. Stability is at least 1 year under frozen conditions. Do not store diluted solutions and avoid repeated freeze and thaw.

Purity/Specificity

The conjugate contains affinity pure antibody at approximately 0.5 mg/ml. The molar enzyme to protein (E/P) ratio = 3.0.

Specificity has been tested using IEP, immunodiffusion, and ELISA. The product reacts with **human** IgG with no significant reactivity with human IgA, IgM or other serum proteins. The antibody may recognize other species IgG's that have common IgG light chains.

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 1:5000-10:000 may be used as starting point for most applications.

Working solution should be prepared immediately before use and diluted solution should be discarded.

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.

Related Items

Human IgG, IgG1, IgG2, IgG3, IgG3, IgM, IgE ELISA kits

Anti-human IgG (A, M, E) HRP and AP Conjugates

10150

70721A