

Product Information

Anti-Goat IgG (whole molecule)- Alkaline Phosphatase

produced in rabbit, affinity isolated antibody

Catalog Number **A7650**

Product Description

Antiserum is produced in rabbit using purified goat IgG as the immunogen. Affinity isolated antibody is obtained from Anti-Goat IgG antiserum by immunospecific purification which removes essentially all rabbit serum proteins, including immunoglobulins, that do not specifically bind to the goat IgG. Anti-Goat IgG is conjugated to alkaline phosphatase, Catalog Number P5521, by protein cross linking with 0.2% glutaraldehyde.¹

Antiserum is determined to be immunospecific for goat IgG by immunoelectrophoresis (IEP), prior to conjugation, versus goat IgG and normal goat serum.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP), prior to conjugation. Electrophoresis of the antibody preparation followed by diffusion versus anti-rabbit IgG and anti-rabbit whole serum result in single arcs of precipitation.

Reagent

Supplied as a solution in 0.05 M Tris buffer, pH 8.0, containing 10 mM glycine, 1 mM MgCl₂, 1% BSA, 50% glycerol, and 15 mM sodium azide.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Store at 2-8 °C.

Product Profile

Direct ELISA: Titer: minimum 1:7,000

We are now reporting lot specific information as a titer by direct ELISA rather than as a working dilution. Titer is defined as the dilution of conjugate sufficient to give a change in absorbance of 1.0 at 405 nm after 30 minutes of substrate conversion at 25 °C.² Microtiter plates are coated with purified goat IgG at a concentration of 5 µg/ml in 0.05 M carbonate-bicarbonate buffer, pH 9.6.

Carbonate-Bicarbonate Buffer capsules are available as Catalog Number C3041.

Substrate: *p*-Nitrophenyl phosphate (pNPP), Catalog Number N2765, 1.0 mg/ml in 10% diethanolamine buffer, pH 9.8, containing 0.5 mM MgCl₂.

Note: Working dilution should be determined by titration assay. Due to product improvement and changes in the assay procedure, we now list a lot specific titer by direct ELISA for this product. Due to differences in assay systems, this titer may not reflect the user's actual working dilution.

References

1. Avrameas, V., *Immunochemistry*, **6**, 43 (1969).
2. Voller, A., et al., *Bulletin World Health Organ.*, **53**, 55 (1976).

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