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Product Information

ANTI-MOUSE IgG (WHOLE MOLECULE) ALKALINE PHOSPHATASE CONJUGATE

Affinity Isolated Antigen Specific Antibody
Antibody Developed in Goat

Product Number **A 5153**

Product Description

Anti-Mouse IgG (Whole Molecule) is developed in goat using purified mouse IgG as the immunogen. Affinity isolated antigen specific antibody is obtained from goat anti-mouse IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, that do not specifically bind to mouse IgG. Goat anti-Mouse IgG is conjugated to Sigma Alkaline Phosphatase, Type VII-S (Product No. P 5521) by protein crosslinking with 0.2% glutaraldehyde.¹

Reagents

The conjugate is provided as a solution in 0.05 M Tris buffer, pH 8.0, containing 1% BSA, 1 mM MgCl₂, with 15 mM sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Storage/Stability

Store at 2-8 °C. **Do Not Freeze.**

Product Profile

Anti-Mouse IgG (Whole Molecule) is determined to be immunospecific for mouse IgG by immuno-electrophoresis (IEP), versus mouse IgG and normal mouse serum, prior to conjugation. Prior to conjugation, the antibody is found to be reactive with mouse IgG1, IgG2a, IgG2b, and IgG by Ouchterlony Double Diffusion (ODD).

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

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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