ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Goat Anti-Mouse IgG Antibodies and conjugates

Cat# 40319-G10 Goat Anti-Mouse IgG (H+L)-Gold conjugate

Size: 0.2 ml **Form**: □ Liquid; □ Powder

Description

Goats were immunized with antigen grade **Mouse IgG (whole molecule with H+L)**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with Mouse IgG and also with IgA and IgM with no significant reactivity with other serum proteins. Purified anti-Mouse IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP, HRP or Gold.

Form and Storage

Cat# 40319-G10, Anti-Mouse IgG-Gold conjugate

Purified antibody was conjugated to Gold particles (~10 nm) and unbound antibody or Gold particle removed. Specificity of the antibody is established by Dot Blot Assay (DBA), using purified Mouse IgG. Binding activity is defined as the minimum amount of Mouse IgG detectable as a visible pink-red spot after a 1 hour incubation with the gold conjugate diluted to an A520 of 0.25.

Clustering data
determined by floating the electron microscopy (EM) nickel grid on conjugate diluted 1:100 in Tris buffer, pH 8.0, containing 1% BSA, for 30-60 minutes. The grid is evaluated by EM after drying. One hundred particles are scanned to determine clustering.

The antibody is supplied in stabilizing buffer (0.02 M Tris buffered saline, pH 8.2, with 30% glycerol (v/v), 1% bovine serum albumin (w/v), and 15 mM sodium azide).

Store at 4oC in suitable aliquots. Stability is ~12 months. Do not freeze and thaw.

Recommended Usage
The antibody-gold conjugate should be diluted for most applications, using 0.5 M NaCl, buffered at pH 6 to 8, containing 0.1% BSA, 0.05% TWEEN® 20, and 5% fetal bovine serum or 5% BSA to minimize background staining. For any given application, the optimum concentration of the conjugate must be determined experimentally. For most applications, the final A520 may range from 1.0 to 0.05 (1:5-1:100 dilution) with incubation times in the range of 30 minutes to 12 hours.

Related Material available for ADI

Mouse IgG, IgM ELISA kits

Anti-Goat/Mouse/Goat/Human IgG (H+L), IgG, IgG (H+L), IgG (H+L) antibodies and conjugates

ELISA kits for the detection of IgG, IgM, and IgA Antibodies

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

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