



Product Information Sheet

5 nm Colloidal Gold Conjugated Rabbit Anti-goat IgG

Catalog No. GA1023

Size 0.1 mg

Ig Type IgG

Immunogen

Goat IgG (whole molecular).

Storage

Store at 4°C for frequent use; at -20°C for at least one year.

Avoid multiple freeze-thaw cycles.

Expiration

One year from the day of shipment.

Applications

Electron Microscopy (EM);
Immunohistochemistry (IHC).

Purification

This antibody was purified from antiserum by immunoaffinity chromatography which removes essentially all rabbit serum proteins, except the specific antibody for goat IgG.

Raised in Rabbit

Clonality Polyclonal

Contents

0.1 mg of colloidal gold conjugated specific antibody, the diameter of colloidal gold is 5±1 nm; 0.01M PBS; 1% BSA; 0.01% Thimerosal.

Specificity

This colloidal gold conjugated antibody is specific for goat IgG and shows no cross-reactivity with goat IgA, IgM and other animal species IgG proteins.

Preparation of Colloidal Gold

5 nm Colloidal Gold — Add 0.05% trisodium citrate and 0.05% Vitamin C into boiled 0.01% chloroauric acid which was reduced to gold granule solution through redox reaction.

Conjugate colloidal gold to antibody after mensurating the optimal data. And through overspeed centrifugation and gradient delamination to density, the colloidal gold conjugated reagents were produced.

Preparation of Diluent Buffer

Add reagent grade BSA into 0.01 M PBS (PH7.2-7.6) or TBS buffer and make BSA at a concentration of 1%. Use the above diluent buffer to dilute. See "Recommended Dilutions" below for details.

Preparation of IGSS (ImmunoGold Silver Staining)

Add citric acid 2.35g, trisodium citrate 2.55g, glutin 1g and hydroquinone 1.7g into 100 ml of distilled water and mix evenly. Before usage, add silver nitrate 50mg into it. Then, add this mixed solution into tissue at last and colorate for 10-20 minutes in dark. Wash with water to terminate reaction.

Recommended Dilutions

EM	1:20-50
IHC	1:50-100

Optimal working dilutions must be determined by end user.

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