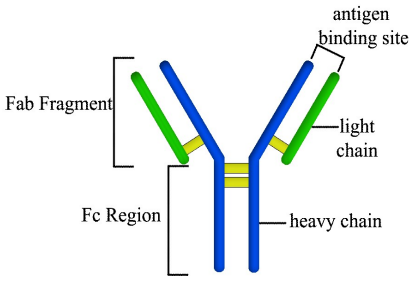
ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Goat Anti-Rabbit IgG (H+L) Antibodies and conjugates

Cat# CG-20319 Goat anti-rabbit IgG (H+L) colloidal gold conjugated (40 nm, OD10) **Size**: 500 ul



Colloidal gold are electron dense non-fading markers that can be used as probes in electron microscopy, light microscopy, and immunoassays. Colloidal gold requires no additional processing for detection although silver enhancement can be done which increases the signal 10-fold. Biomolecules are complexed with colloidal gold through ionic interactions and the positive charge of proteins or antibodies with the negative charge of the surface of the gold colloid. Generally, particles less than 15 nm are used in transmission electron microscopy due to better penetration allowed by smaller probes. Particles greater than 15 nm are more suitable for scanning electron microscopy, light microscopy, and immunoassays.

Goats were immunized with antigen grade **Rabbit IgG (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 Rabbit IgG, IgA, and IgM with no significant reactivity with other serum proteins. The antibody may recognize other species IgG (H+L or IgA, IgG, IgM etc)).

Form and Storage

Gold nanoparticle core size: 40 nm

Optical density: 10.

Wavelength (nm): 521-526 (lot specific, see vial)

Blocking Agent: □ BSA □ Casein □PEG-20k

Stabilizers: Trehalose and Sucrose

Buffer: Phosphate buffer pH 7.4, 1% BSA

Preservative: 0.1% Sodium Azide

Storage: Store at 4ºC

Stability: Stable for 6 months in liquid if stored at 4ºC. *Particles may aggregate on the bottom of the vial, mix with a pipette before use.

Suggested Uses: This preparation is ready to use for Lateral Flow Immunoassays. Apply 4-6 ul per 0.4 cm strip. For other applications dilutions may range from A520=1.0-0.05 (1:10-1:200 dilution). Incubation times generally range from 0.5-12 hours.

Related Material available for ADI

Catalog#	Description
20318-100	Goat Anti-Rabbit IgG (H+L chain) Antiserum, bulk size
20318-GAF-BLK	Goat Anti-Rabbit IgG, Affinity Purified (Bulk)
20319	Goat Anti-Rabbit IgG (H+L chain) unlabeled, aff pure IgG,
20319-SAF-BLK	Sheep Anti-Rabbit IgG, Affinity Purified (Bulk)
20319-SAS-BLK	Sheep Anti-Rabbit IgG, Antisera (Bulk)
20320	Goat Anti-Rabbit IgG (H+L)-HRP conjugate
20320-200	Goat Anti-Rabbit IgG-HRP conjugate
20320-220	Donkey Anti-Rabbit IgG-HRP conjugate
20320-500	Chicken Anti-Rabbit IgG-HRP conjugate
20320-500-UL	Chicken Anti-Rabbit IgG, aff pure, unlabeled
20320-DAF-BLK	Donkey Anti-Rabbit IgG, Affinity Purified (Bulk)
20320-DAS-BLK	Donkey Anti-Rabbit IgG, Antisera (Bulk)
20321-200	Goat Anti-Rabbit IgG-HRP conjugate (adsorbed with human, mouse, rat etc)
20322-200	Donkey Anti-Rabbit IgG-HRP conjugate (preadsorbed with human, mouse, rat and other IgGs)
20322-200-UL	Donkey Anti-Rabbit IgG, unlabeled (preadsorbed with human, mouse, rat and other IgGs)
20322-TR	Donkey Anti-Rabbit IgG-Rhodamine/TRITC conjugate (preadsorbed with human/mouse/rat and other IgGs)
20323-200	Goat Anti-Rabbit IgG-HRP conjugate
20323-210	Cow Anti-Rabbit IgG-HRP conjugate (preadsorbed with mouse, human serum proteins)

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