ALPHA DIAGNOSTIC INTERNATIONAL

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Product Data Sheet

Goat Anti-G. Pig IgG (H+L) Antibodies and conjugates

Cat# 50231	Goat Anti-G. Pig IgG (H+L)-Rhodamine (TRITC) conjugate (adsorbed)	**Size**: 0.5 ml
Cat# 50232	Goat Anti-G. Pig IgG (H+L)- Phycoerythrin (PE) conjugate (adsorbed)	**Size**: 0.5 ml
Cat# 50233	Goat Anti-G. Pig IgG (H+L)-Texas Red conjugate (adsorbed)	**Size**: 0.5 ml

Description

Goats were immunized with antigen grade **G. Pig 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 G. Pig IgG, IgA and IgM with no significant reactivity with other G. Pig serum proteins. **Antibodies were further adsorbed with serum proteins from several species (bovine, Chicken, goat, Hamster, Horse, Rabbit, Mouse, Rat and sheep) to minimize reactivity with these species**. The antibody may recognize other species IgG (H+L or IgA, IgG, IgM etc). Purified anti-G. Pig IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, Alk. phos., HRP, Rhodamine, phycoerythrin (PE), Texas Red, Cy3, Cy5, and various IRDye (700DX, 800, and 800CW) to accommodate applications in various immunological techniques.

Form and Storage

Cat# 50231, Rhodamine (TRITC)-conjugate

Purified anti-G. Pig IgG (H+L) antibody was coupled to Tetramethylrhodamine isothiocyanante (TRITC) (Molecular Weight 444 daltons) at F/P G. Pigio ~3:7. The antibody is supplied in PBS, pH 7.4, 0.5% BSA, IgG, and 0.05% azide in either **lyophilized** (0.5 ml) or **liquid** form (0.5 ml at ~0.5 mg/1 ml). Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested applications: immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays
Suggested conjugate dilutions are 1:100-1:500 for immunofluorescence. Users must optimize the dilutions for a given technique.
Absorption Wavelength: 550 nm
Emission Wavelength: 570 nm

Cat# 50232, Phycoerythrin (PE)-conjugate

Purified anti-G. Pig IgG (H+L) antibody was coupled to Phycoerythrin (R-PE) (Molecular Weight 240,000 daltons) from seaweed at F/P G. Pigio of 1-2:1. . The antibody is supplied in PBS, pH 7.4, 0.5% BSA, IgG and 0.05% azide in either **lyophilized** (0.5 ml) or **liquid** form (0.5 ml at ~0.5 mg/1 ml). Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -4oC and DO NOY FREEZE. Store in the dark in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested applications: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays

Suggested conjugate dilutions are 1:100-1:200 for immunofluorescence. Users must optimize the dilutions for a given technique.
Absorption Wavelength: 490, 545, 565 nm
Emission Wavelength: 580 nm

Cat# 50233, Texas Red-conjugate

Purified anti-G. Pig IgG (H+L) antibody was coupled to Texas Red. Sulfonyl Chloride (Molecular Weight 625 daltons) at F/P G. Pigio of 3-4:1. . The antibody is supplied in PBS, pH 7.4, 0.5% BSA, IgG and 0.05% azide in either **lyophilized** (0.5 ml) or **liquid** form (0.5 ml at ~0.5 mg/1 ml). Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -4oC and DO NOY FREEZE. Store in the dark in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested applications: suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays.

Suggested conjugate dilutions are 1:100-1:300 for immunofluorescence. Users must optimize the dilutions for a given technique.
Absorption Wavelength: 596 nm
Emission Wavelength: 620 nm

Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. Working solution should be prepared immediately before use and diluted solution should be discarded.

Origin: All material used in various products are derived from US sources and USDA inspected facilities.

MSDS: A Material Safety Data Sheet is not required for this product. The product does not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910.1200, the OSHA Hazard Communication Standard. This material is not required to appear on the TSCA inventory.

This product is for in vitro research use only.

Related Material available for ADI
G. Pig IgG, IgM ELISA kits
Anti-G. Pig IgG (H+L), antibodies and conjugates

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