ALPHA DIAGNOSTIC INTERNATIONAL

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Product Data Sheet

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

Cat# 50336	Rabbit Anti-Rat IgG (H+L)-Alexa Fluor 488 conjugate (adsorbed)	**Size**: 0.5 ml
Cat# 50337	Rabbit Anti-Rat IgG (H+L)- Alexa Fluor 594 conjugate (adsorbed)	**Size**: 0.5 ml

Description

Rabbits were immunized with antigen grade **Rat 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 Rat IgG, IgA and IgM with no significant reactivity with other Rat serum proteins. **Antibodies were further adsorbed with serum proteins from Human to minimize reactivity**. The antibody may recognize other species IgG (H+L or IgA, IgG, IgM etc). Purified anti-Rat IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, Alk. phos., HRP, Rhodamine, phycoerythrin (PE), Texas Red, Cy3, and Cy5 to accommodate applications in various immunological techniques.

Form and Storage

Cat# 50336, Alexa-Fluor 488 conjugate

Purified anti-Rat IgG (H+L) antibody was coupled to Alexa 488 at F/P ratio ~2-8:1. The conjugate is free of unconjugated dye. The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.5 ml) or **liquid** form (0.5 ml at ~0.5 mg ml). Reconstitute powder in PBS in 0.5 ml solution. Store at -20oC 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 1:100-1:500 for immunofluorescence. Users must optimize the dilutions for a given technique.

Absorption Wavelength: 495 nm
Emission Wavelength: 519 nm

Cat# 50337, Alexa-Fluor 594 conjugate

Purified anti-Rat IgG (H+L) antibody was coupled to Alexa 488 at F/P ratio ~2-8:1. The conjugate is free of unconjugated dye. The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.5 ml) or **liquid** form (0.5 ml at ~0.5 mg ml). Reconstitute powder in PBS in 0.5 ml solution. Store at -20oC 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 1:100-1:500 for immunofluorescence. Users must optimize the dilutions for a given technique.

Absorption Wavelength: 590 nm
Emission Wavelength: 617 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

Rat IgG, IgM ELISA kits
Anti-Rat IgG (H+L), IgG, IgG (H+L), IgG (H+L) antibodies and conjugates

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