ALPHA DIAGNOSTIC INTERNATIONAL

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Product Data Sheet

Anti-Monkey IgA (α-Chain specific)-antibodies and conjugates

Cat #. 70043	Goat Anti-Monkey IgA (alpha) IgG, unlabeled	**Size**: 0.5 mg
Cat #. 70041	Goat Anti-Monkey IgA (alpha)-HRP conjugate	**Size**: 0.5 ml
Cat #. 70045	Goat Anti-Monkey IgA (alpha)-FITC conjugate	**Size**: 0.5 ml
Cat #. 70049	Goat Anti-Monkey IgA (alpha)-biotin conjugate	**Size**: 0.5 ml

Description

Goats were immunized with antigen grade monkey (old world) IgA. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Antibodies were made specific for mu-chain by removing any antibodies crossreactive with light chains. Purified anti-monkey IgA (μ-chain specific) were labeled with highly purified preparation of horse radish peroxidase by periodate method (1)

Purity/Specificity

The conjugate contains affinity pure antibody at approximately 0.5 mg/ml. The molar enzyme to protein (E/P) ratio = 2:1.

Specificity has been tested using IEP, immunodiffusion, and ELISA. The product reacts with monkey IgA only. The antibody may recognize other species IgA's that have common heavy chains, particularly IgA's from other related monkeys. However, no antibody is detected to other serum proteins or IgG or IgM.

Form and Storage

Cat# 70043, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (1 mg/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.

Cat# 70041, HRP-conjugate

Purified antibody was coupled to HRP (RZ>3.0) using periodate method. The molar enzyme to protein (E/P) ratio = 4.0. The antibody is supplied in stabilizing buffer, 0.1% prolcin-300 as preservative in either **lyophilized** (0.5 ml) or **liquid** form (1 ml). Reconstitute powder in PBS in 1 ml. Store at 4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

Cat# 70032, AP-conjugate

The conjugate is provided at ~0.5-1 mg/ml as liquid in a stabilizing buffer (50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl2, 0.1 mM ZnCl2, pH 7.5, containing 0.2% bovine serum albumin, 0.05% sodium azide). The product should be **stored at 4°C** and is stable for a minimum of 1 year. Do not store diluted solutions.

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

Cat# 70045, FITC-conjugate

Purified antibody was coupled to FITC at F/P ratio ~3:7. The antibody is supplied in PBS, pH 7.4, 0.2% BSA and 0.05% azide in either **lyophilized** (0.5 ml) or **liquid** form (0.5 mg/0.5 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 conjugate dilutions are 1:200-1:2000 for immunofluorescence.
Absorption Wavelength: 495 nm
Emission Wavelength: 528 nm

Cat# 70049, Biotin-conjugate

Purified antibody was coupled to Biotin using ADI Biotinylation kit # 80300 at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 0.2% BSA and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (1 mg/ 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 conjugate dilutions are 1:5,000-1:30,000 ELISA.

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.

All products are for In vitro research use only.

Related Material available for ADI

Monkey IgG, IgA, IgA, and IgE ELISA kits

ELISA kits for the detection of mouse Antibodies

70041, 70043, 70045, 70049 70724A

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