

Product Data Sheet

**Anti-Human IgA Antibodies and conjugates**

<b>Cat#</b> 10019	Goat Anti-human IgA, unlabeled	<b>Size:</b> 0.5 mg	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 10020	Goat Anti-human IgA-HRP conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 10030	Goat Anti-human IgA-FITC conjugate	<b>Size:</b> 0.5 mg	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 10040	Goat Anti-human IgA-Biotin conjugate	<b>Size:</b> 0.5 mg	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 10050	Goat Anti-human IgA-Alk Phos conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder

**Description**

Goats were immunized with antigen grade **human IgA**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Purified anti-human IgA is supplied as unlabeled, HRP, FITC, Biotin or Alk. Phosphatase conjugates.

Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with human IgA with no significant reactivity with human IgG, IgM or other serum proteins. The antibody may recognize other species IgA.

**Form and Storage**

**Cat# 10019, 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# 30320, Anti-Goat IgA-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** or **liquid** form (0.5-1 mg/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).

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**Cat# 10030, FITC-conjugate**

Purified antibody was coupled to FITC at F/P ratio ~4-5:1. 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# 10040, Biotin-conjugate**

Purified antibody was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 1% BSA and 0.05% azide in either **lyophilized** (0.5 mg) 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 1:5,000-1:30,000 ELISA.

**Cat# 10124-AP, AP-conjugate**

The conjugate is provided at ~0.5-1 mg/ml as liquid in a stabilizing buffer (50 mM Tris-150 mM NaCl-1 mM MgCl<sub>2</sub>, pH 7.5, containing 1% 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.

**Recommended Working Dilution for ELISA**

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. Do not store diluted working solution.

This product is considered non-hazardous as defined by OSHA (CFR 1910.1200, Nov 25, 1983). It can be disposed of in the drain.

**Related Material available for ADI**

**Human IgG, IgG, IgA, IgM, and IgE ELISA kits**

10019-20-30-40-50      70719A

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