ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Anti-Sheep IgA (alpha chain specific) Antibodies and conjugates

Cat# 30024	Rabbit Anti-Sheep IgA, unlabeled	**Size**: 0.5 mg	**Form**:	Liquid;	Powder
Cat# 30020	Rabbit Anti-Sheep IgA-HRP conjugate	**Size**: 0.5 ml	**Form**:	Liquid;	Powder
Cat# 30030	Rabbit Anti-Sheep IgA-FITC conjugate	**Size**: 0.5 ml	**Form**:	Liquid;	Powder

Description

Rabbits were immunized with antigen grade **Sheep IgA**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Specificity of antibody has been tested using, immunodiffusion, and ELISA. The product reacts with IgA with no significant reactivity with IgG, or other serum proteins. The antibody may recognize other species IgA. Purified anti-Sheep IgA antibody is supplied as unlabeled or conjugated to FITC or HRP.

Form and Storage

Cat# 30024, unlabeled

The antibody is supplied in PBS, pH 7.4, 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.

Cat# 30020, 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-602 as preservative in, either **lyophilized** (0.5 ml) or **liquid** form (0.5 mg/0.5 ml). Reconstitute powder in PBS in 0.5 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# 30030, Anti-Rat IgG (H+L)-FITC-conjugate

Purified anti-Sheep IgG (H+L) 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

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.

Related Material available for ADI

Sheep IgG, IgM ELISA kits

Anti-Sheep IgA, IgG, IgE, IgE antibodies and conjugates

ELISA kits for the detection of Sheep Antibodies

Western blot recycling kit (Use the same blot/strip to probe with multiple antibodies) **Strip Antibodies in 5 minutes** (no heating or mercaptoethanol)

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. The product contains natural purified proteins in a buffer containing 0.1% or less sodium azide. MSDS can be consulted for these items. Please note that although the product is defined as not hazardous, it is still advisable to follow prudent laboratory practices when handling laboratory reagents.

This material is sold for research purposes only and is not required to appear on the TSCA inventory.

30020, 30024, 30030 70226A

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