

Product Data Sheet

**Anti-Goat IgM (mu chain specific) antibodies and conjugates**

<b>Cat#</b> 30419	Rabbit Anti-Goat IgM, unlabeled	<b>Size:</b> 0.5 mg	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 30420	Rabbit Anti-Goat IgM-HRP conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 30430	Rabbit Anti-Goat IgM-FITC conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 30440	Rabbit Anti-Goat IgM-Biotin conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder

**Description**

Rabbits were immunized with antigen grade Goat IgM. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography and solid phase adsorbed to remove reactivity with IgA, IgG and other serum proteins. Purified anti-Goat IgM is supplied as unlabeled, -HRP, -AP, FITC and biotin conjugate.

**Purity/Specificity**

Specificity of antibodies has been tested using IEP, immunodiffusion, and ELISA. The antibodies yielded a single precipitin arc against anti-Goat serum and Goat IgM. No antibody reactivity is detected to other Goat serum proteins, IgA and IgG. Anti-Goat IgM may crossreact with IgM from other species.

**Form and Storage**

**Cat# 30419, Anti-Goat IgM, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1.0 mg) or **liquid** form (1 mg/ml). Reconstitute powder in PBS in 1.0 ml to prepare 1 mg/ml solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 30420, Anti-Goat IgM-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** (1 ml) or **liquid** form (0.5-1 mg/ml). Reconstitute powder in PBS in 1 ml. Store at 4°C 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# 30430, Anti-Goat IgM-FITC-conjugate**

Purified anti-Goat IgM 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 -20°C 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# 30440, Anti-Goat IgM-Biotin-conjugate**

Purified anti-Goat IgM 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, 0.2% 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 -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:5,000-1:30,000 ELISA, 1:2K-1:10K for western.

**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**

**Goat IgG, IgM, IgA ELISA kits**

Anti-Goat IgM, IgG, IgG (H+L), IgG (H+L) antibodies and conjugates

ELISA kits for the detection of Goat Antibodies

30419, 30420, 30430, 30440

70225A

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