

Product Data Sheet

**Anti-Chicken IgM antibodies and conjugates**

<b>Cat#</b> 60519	Goat Anti-Chicken IgM, unlabeled	<b>Size:</b> 0.5 mg	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 60520	Goat Anti-Chicken IgM-HRP conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 60530	Goat Anti-Chicken IgM-FITC conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 60540	Goat Anti-Chicken IgM-Biotin conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> Liquid	Powder

**Description**

Goats were immunized with antigen grade Chicken 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-Chicken 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-Mouse serum and Chicken IgM. No antibody reactivity is detected to other Mouse serum proteins, IgA and IgG. Anti-Chicken IgM may crossreact with IgM from other species.

**Form and Storage**

**Cat# 60519, Anti-Chicken IgM, 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 0.5 mg/0.5 ml solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 60520, Anti-Chicken 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** (0.5 ml) or **liquid** form (0.5 ml; 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# 60530, Anti-Chicken IgM-FITC-conjugate**

Purified anti-Chicken 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# 60540, Anti-Chicken IgM-Biotin-conjugate**

Purified anti-Chicken IgM 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 (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.

**Cat# 40250, AP-conjugate**

The conjugate is provided at ~0.5 mg/ml as liquid in a stabilizing buffer (50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl<sub>2</sub>, 0.1 mM ZnCl<sub>2</sub>, 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).

**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**

**Mouse IgG, IgM, IgA ELISA kits**

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

ELISA kits for the detection of Mouse Antibodies

60519, 60520, 60530, 60540

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