

Product Data Sheet

**Anti-Sheep IgM antibodies and conjugates**

<b>Cat#</b> 30719	Rabbit Anti-Sheep IgM, unlabeled	<b>Size:</b> 0.25 mg	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 30720	Rabbit Anti-Sheep IgM-HRP conjugate	<b>Size:</b> 0.25 ml	<b>Form:</b> Liquid	Powder
<b>Cat#</b> 30730	Rabbit Anti-Sheep IgM-FITC conjugate	<b>Size:</b> 0.25 ml	<b>Form:</b> Liquid	Powder

**Description**

Rabbits were immunized with antigen grade Sheep 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-Sheep IgM is supplied as unlabeled, -HRP, -FITC conjugate.

**Purity/Specificity**

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

**Form and Storage**

**Cat# 30719, Anti-Sheep IgM, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.25 mg) or **liquid** form (1 mg/ml). Reconstitute powder in PBS in 0.25 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# 22120, Anti-Sheep 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** (0.25 ml) or **liquid** form (0.25 mg/0.25 ml). Reconstitute powder in PBS in 0.25 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# 30730, Anti-Sheep IgM-FITC-conjugate**

Purified anti-Sheep 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

**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, IgA ELISA kits**

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

ELISA kits for the detection of Sheep Antibodies

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