

Product Data Sheet

**Anti-Bovine IgM antibodies and conjugates**

<b>Cat#</b> 80719	Rabbit Anti-Bovine IgM, unlabeled	<b>Size:</b> 0.5 mg	<b>Form:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Powder
<b>Cat#</b> 80720	Rabbit Anti-Bovine IgM-HRP conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Powder
<b>Cat#</b> 80730	Rabbit Anti-Bovine IgM-FITC conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Powder
<b>Cat#</b> 80740	Rabbit Anti-Bovine IgM-Biotin conjugate	<b>Size:</b> 0.5 ml	<b>Form:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Powder

**Description**

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

**Form and Storage**

**Cat# 80719, Anti-Bovine 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# 80720, Anti-Bovine 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# 80730, Anti-Bovine IgM-FITC-conjugate**

Purified anti-Bovine 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# 80740, Anti-Bovine IgM-Biotin-conjugate**

Purified anti-Bovine 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.

**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-Bovine IgM, IgG, IgG (H+L), IgG (H+L) antibodies and conjugates

ELISA kits for the detection of Mouse Antibodies

80719, 80720, 80730, 80740

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