

Product Data Sheet

Anti-Sheep IgM antibodies and conjugates

Cat# 30719	Rabbit Anti-Sheep IgM, unlabeled	Size: 0.25 mg	Form: Liquid	Powder
Cat# 30720	Rabbit Anti-Sheep IgM-HRP conjugate	Size: 0.25 ml	Form: Liquid	Powder
Cat# 30730	Rabbit Anti-Sheep IgM-FITC conjugate	Size: 0.25 ml	Form: 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 -20oC 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 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# 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 -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, IgA ELISA kits

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

ELISA kits for the detection of Sheep Antibodies

30719, 30720, 30730 70225A