

Product Data Sheet

Anti-Bird (sparrow, crow, starling, and blackbird) IgM Antibodies and conjugate

<b>Cat#</b> 90521-UL	Rabbit Anti-Bird IgM, aff pure, unlabeled	<b>Size:</b> 0.1 mg
<b>Cat#</b> 90521-HRP	Rabbit Anti-Bird IgM-HRP conjugates	<b>Size:</b> 100 ul
<b>Cat#</b> 90521-BTN	Rabbit Anti-Bird IgM-Biotin conjugates	<b>Size:</b> 100 ul

**Description**

Rabbits were immunized with antigen grade **Bird IgM** (sparrow, crow, starling, and blackbird). Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with Birds Ig's from several species (sparrow, crow, starling, and blackbird). No significant reactivity was observed with IgG or other serum proteins. The antibody may recognize other species IgM. Purified anti-Bird IgM antibody is supplied as unlabeled or conjugated to Biotin, or HRP.

**Form and Storage**

**Cat# 90521-UL, Anti-Bird IgM, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.1 mg) or **liquid** form (0.1 mg). Reconstitute powder in PBS at 1 mg/ml. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 90521-HRP, Anti-Bird 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** (0.1 ml) or **liquid** form (0.1 ml; 0.1-0.2 mg/ml). Reconstitute powder in PBS in 0.1 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# 90521, Anti-Bird IgM-Biotin-conjugate**

Purified 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** (0.1 ml) or **liquid** form (0.1 mg/0.1 ml). Reconstitute powder in PBS in 0.1 ml to prepare stock solution. Store at -20oC 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.

**Recommended secondary Antibodies**

For all rabbit primary antibodies:

# 20009-1, Rabbit (non-immune) IgG, purified, suitable for ELISA, Western, IHC as **negative control**

**Goat Anti-rabbit IgG-HRP cat # 20320** (AP, biotin, FITC conjugates also available)

**Related Material available for ADI**

**Bird IgG, IgM antibodies and conjugates**

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

ELISA kits for the detection of Bird Antibodies

**Western blot recycling kit** (Use the same blot/strip to probe with multiple antibodies) **Strip Antibodies in 5 minutes** (no heating or mercaptoethanol)

90521-UL, -HRP-, BTN 100331A