

Product Data Sheet

**Anti-Skunk IgM Antibodies and conjugates**

<b>Cat#</b> 30826-A	Goat Anti-Skunk IgM, unlabeled	<b>Size:</b> 0.1 mg
<b>Cat#</b> 30826-HP	Goat Anti-Skunk IgM-HRP conjugate	<b>Size:</b> 0.5 ml
<b>Cat#</b> 30826-BT	Goat Anti-Skunk IgM-HRP conjugate	<b>Size:</b> 0.5 ml

**Description**

Skunks (also called polecats in America) are mammals known for their ability to spray a liquid with a strong odor. Different species of skunk vary in appearance from black-and-white to brown or cream colored, but all have warning coloration. Any warm-blooded mammal can carry or contract rabies, but the primary carriers in North America are raccoons, skunks, bats, foxes, and coyotes. Since 1960, rabies has been more frequently reported in wild than in domestic animals in the United States. Wildlife now account for more than 90 percent of all reported rabies cases.

Goats were immunized with antigen grade **Skunk IgM**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Antibody was adsorbed with IgM/IgA/serum protein to remove reactivity to IgG/IgA. Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with Skunk IgM with no significant reactivity with other serum proteins. The antibody may recognize other related species IgM. Purified anti-Skunk IgM antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

**Form and Storage**

**Cat# 30826-A, Anti-Skunk IgM (H+L), unlabeled**

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

**Cat# 30826-HP, Anti-Skunk IgM (H+L)-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% proclin-300 as preservative in either **lyophilized** or **liquid** form. Reconstitute powder in PBS. 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# 30826-BT, Biotin-conjugate**

Purified antibody was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) 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 mg) or **liquid** form (0.1 mg/0.1 ml). Reconstitute powder in PBS in 0.1 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 1:2,500-1:30,000 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**

**Skunk IgG, IgM ELISA kits**

Anti-Skunk IgG (H+L), IgG, IgG (H+L), IgG (gamma chain sp)antibodies and conjugates

ELISA kits for the detection of Skunk Antibodies

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

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