



Product Data Sheet

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**Monoclonal Anti-Dog IgE antibodies and conjugates**

<b>Cat#</b> 30389	Monoclonal Anti-Dog IgE, unlabeled	<b>Size:</b> 0.1 mg
<b>Cat#</b> 30389-H	Monoclonal Anti-Dog IgE -HRP conjugate	<b>Size:</b> 0.5 ml
<b>Cat#</b> 30389-F	Monoclonal Anti-Dog IgE -FITC conjugate	<b>Size:</b> 0.5 ml
<b>Cat#</b> 30389-B	Monoclonal Anti-Dog IgE -Biotin conjugate	<b>Size:</b> 0.5 ml

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**Description**

Mice were immunized with antigen grade **Dog IgE** and the spleen and lymph node lymphocytes were fused to form hybridomas. Specificity of antibody has been tested using ELISA. The product reacts with Dog IgE with no significant reactivity with Dog IgG, IgM, or IGA. Antibody was purified from tissue culture fluid using Protein A affinity column. Purified anti-Dog IgE antibody is supplied as unlabeled or conjugated to Biotin, FITC, or HRP. Alkaline Phosphatase or colloidal gold conjugations are available upon request.

**Form and Storage**

**Cat# 30389, 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/0.1 ml). Reconstitute powder in PBS to prepare stock solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 30389-H, 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** or **liquid** form. Reconstitute powder in PBS in 0.5 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# 30389-F, FITC-conjugate**

Purified anti-Dog IgE 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** or **liquid** form. Reconstitute powder in PBS in 0.5 ml to prepare stock 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.

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**Related Material available for ADI**

**Dog IgE, IgG, IgM, and IgA ELISA kits**

Anti-Dog IgE, IgG, IgM, IgA antibodies and conjugates

ELISA kits for the detection of Dog Antibodies

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

**MSDS:** This product is considered non-hazardous as defined by OSHA (CFR 1910.1200, Nov 25, 1983). It can be disposed of in the drain.

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