

Product Data Sheet

**Anti-Mouse IgE (epsilon chain specific) Antibodies and conjugates**

<b>Cat#</b> 40410-250	Goat Anti-Mouse IgE, unlabeled	<b>Size:</b> 0.25 mg	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 40410-500	Goat Anti-Mouse IgE, unlabeled	<b>Size:</b> 0.5 mg	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 40411-250	Goat Anti-Mouse IgE-HRP conjugate	<b>Size:</b> 0.25 mg	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 40411-500	Goat Anti-Mouse IgE-HRP conjugate	<b>Size:</b> 0.50 mg	<b>Form:</b> Liquid; Powder
<b>Cat#</b> 40414-100	Goat Anti-Mouse IgE-Biotin conjugate	<b>Size:</b> 0.1 mg	<b>Form:</b> Liquid; Powder

**Description**

Goats were immunized with antigen grade **Mouse IgE**. 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 Mouse IgE with no significant reactivity with Mouse IgG, or other serum proteins. The antibody may recognize other species IgE. Purified anti-Mouse IgE antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

**Form and Storage**

**Cat# 40410-250, # 40410-500, unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.25 mg or 0.5 mg) or **liquid** form at 1 mg/ml. Reconstitute powder in PBS to prepare 1 mg/ml solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 40411-250, # 40411-500, 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** (0.25 or 0.5 mg) or **liquid** form at 1 mg/ml. Reconstitute powder in PBS to prepare 1 mg/ml stock solution. 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# 40414-100, Biotin-conjugate**

Purified anti-Mouse IgE 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 -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 IgE, IgG, IgA, IgM and IgG1-3 ELISA kits**

Anti-Mouse IgE, IgG, IgE, IgE antibodies and conjugates

ELISA kits for the detection of Mouse 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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