

Product Data Sheet

Anti-Mouse IgG2a (heavy-chain specific) Antibodies and conjugates

Cat# 40122	Goat Anti-Mouse IgG2a, unlabeled	Size: 1 mg	Form: Liquid; Powder
Cat# 40122-BT	Rabbit Anti-Mouse IgG2a-biotin conjugate	Size: 100 ug	Form: Liquid; Powder
Cat# 40127	Goat Anti-Mouse IgG2a-HRP conjugate	Size: 0.5 ml	Form: Liquid; Powder

Description

Goats/rabbits were immunized with antigen grade mouse IgG2a. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Antibodies were made specific for IgG2a by removing any antibodies crossreactive with other Ig's. Specificity has been tested using IEP, immunodiffusion, and ELISA. Purified antibodies react with mouse IgG2a with minimal reactivity with other isotypes, IgA, IgM or other serum proteins. The antibody may recognize other species IgG2a's. Purified antibodies are supplied as unlabeled, HRP-, Biotin, FITC, and AP conjugates.

Form and Storage

Cat# 40122, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (1 mg) or **liquid** form (1 mg/ml). Reconstitute powder in PBS in 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.

Cat# 40122, Biotin-conjugate

Purified anti-Mouse IgA 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.

Cat# 40127, 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** (0.5 ml) or **liquid** form (0.5 ml). 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).

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.

All products are for In vitro research use only.

Related Material available for ADI

Mouse IgA, IgM, and IgE ELISA kits

Anti-Mouse IgG2a (Alpha-chain sp), IgG2a, IgM, IgE antibodies and conjugates

ELISA kits for the detection of mouse Antibodies

40122, 40122-BT, 40127

70723A