



Product Data Sheet

Monoclonal Anti-FITC antibodies conjugate

Cat #. 20376-UL	Mouse Monoclonal Anti-FITC IgG, unlabeled	Size: 0.5 mg
Cat #. 20376-HP	Mouse Monoclonal Anti-FITC IgG-Peroxidase (HRP) conjugate	Size: 0.5 ml
Cat #. 20376-BTN	Mouse Monoclonal Anti-FITC IgG-Biotin conjugate	Size: 0.5 ml

Mice were immunized with FITC-KLH conjugate. A clone (20376-IgG1k) was expanded as ascites and antibodies purified using affinity chromatography on FITC-agarose. There are no detectable antibodies to KLH are left in the purified antibodies. Purified antibodies was labeled with highly purified preparation of horse radish peroxidase and biotin using proprietary methods.

Form and Storage

#20376-UL, unlabeled

Purified antibody is provided in PBS, pH 7.4 and 0.05% azide (1 mg/ml or or see lot sp. conc on the vial). Store at 4oC or frozen at -20oC in suitable size aliquots.

#20376-HP, HRP Conjugate

The conjugate is provided as liquid in a peroxidase stabilizing buffer containing 0.2% BSA and 0.01% merthiolate as preservative. The product should be stored at 4°C and is stable for 6-12 months. Do not store diluted solutions. Sodium azide, an inhibitor of peroxidase, must not be added in any buffers exposed to peroxidase.

Purity/Specificity

The conjugate contains affinity pure antibody at approximately 0.5 mg/ml. The molar enzyme to protein (E/P) ratio = 4.0.

Specificity has been tested using IEP, immunodiffusion, and ELISA. Anti-biotin antibodies react with Biotin-KLH or Biotin-BSA conjugate. No significant reactivity is seen with free KLH or BSA. The antibody may recognize biotin conjugated to other proteins.

Cat# 20376-BTN, 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** or **liquid** form. Reconstitute powder in PBS in 0.5 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. However, dilution of 1:1000 -1:10,000 should be tested and adjusted according to the application.

Working solution should be prepared immediately before use and diluted solution should be discarded.

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

Related Material available for ADI

Catalog#	ProdDescription
20375-BTN	Goat Anti-FITC IgG-Biotin Conjugate
20375-HP	Goat Anti-FITC IgG-HRP Conjugate
20375-UL	Goat Anti-FITC IgG, aff pure, unlabeled
20376-BTN Conjugate	Monoclonal Anti-FITC IgG-Biotin
20376-HP Conjugate	Monoclonal Anti-FITC IgG-HRP
20376-UL unlabeled	Monoclonal Anti-FITC IgG, aff pure, unlabeled

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