



Product Information Sheet

FITC Conjugated Mouse IgG SABC Kit

Catalog No. SA1062

Size 1 kit

Product Type

Concentrated (Need dilution)

Storage

4°C for one year. Avoid freezing.

Tested Applications

Immunohistochemical analysis of paraffin-embedded sections, IHC(P);
Immunohistochemical analysis of frozen-embedded sections, IHC(F);
Immunocytochemistry, IC.

Recommended Dilution Factors

IHC(P): 1:50-200

IHC(F): 1:50-200

IC: 1:50-200

Optimal dilutions should be determined by end users.

Introduction

SABC (StreptAvidin-Biotin Complex) is specially designed for displaying the distribution of antigens in tissues and cells in immunohistochemistry and other immunodetection analyses. This kit has high sensitivity because each complex it generates has a large number of FITC and streptavidin molecules. Compared to the traditional immunodetection using free FITC dyes, the SABC-FITC system greatly enhances the sensitivity and suppresses the background. FITC excitation is at 490~495nm, emission at 520~530nm.

Kit Components

1. Normal goat serum blocking reagent: 10x, 10 ml, for the block of tissue sections.
2. Biotinylated Secondary Antibody (Goat Anti-mouse IgG): 100~200x, 1 ml (2mg/ml). Affinity purified antibody, labeled with "long-arm" biotin (Biotinamido hexanoic acid N-hydroxysuccinimide ester, CAS# 72040-63-2).
3. SABC-FITC (FITC conjugated streptavidin): 100~200x, 1ml (2mg/ml). Manufactured by A proprietary method, the complex is very stable and offers superior amplification of the antigen signals.
4. Three drop bottles (For dilution use).

Material Required But Not Provided

1. APES or POLY-L-LYSINE.
2. 0.02M PBS (pH 7.2~7.6): 8.5g sodium chloride, 2.8g anhydrous Na_2HPO_4 and 0.4g anhydrous NaH_2PO_4 in 1000ml of distilled water. (The weight should be adjusted accordingly if hydrous phosphates are used.)
3. 0.01 M Citrate Buffer: 3g sodium citrate dihydrate ($\text{C}_6\text{H}_5\text{Na}_3\text{O}_7 \cdot 2\text{H}_2\text{O}$) and 0.4g citric acid monohydrate ($\text{C}_6\text{H}_8\text{O}_7 \cdot \text{H}_2\text{O}$) in 1000ml of distilled water.
4. 0.1% trypsinase or the compound digest solution (Catalog number: AR0022).

Note

Mouse IgG refers to the animal origin of the primary antibody, not the origin of the specimen. This kit must be used on primary antibodies from mouse.

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