

FITC + POD Conjugated Goat IgG SABC Kit

Catalog No. SA1083

Size 1 kit

Product Type

Concentrated (Need dilution)

Storage

4°C for one year. Avoid freezing.

Tested Applications

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

Recommended Dilution Factors

IH (P): 1:50-200

IH (F): 1:50-200

IC: 1:50-200

Optimal dilutions should be determined by end users.

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Introduction

SABC (StreptAvidin-Biotin Complex) is specially designed for displaying the distribution of antigens in tissues and cells in immunochemistry and other immunodetection analyses. This kit has high sensitivity because each complex it generates has a large number of FITC or peroxidase, 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 rabbit serum blocking reagent: 10x, 5 ml.
2. Biotinylated Secondary Antibody (Rabbit Anti-goat IgG): 100x, 0.5ml (2mg/ml). Affinity purified antibody, labeled with "long-arm" biotin (Biotinamido hexanoic acid N-hydroxysuccinimide ester, CAS# 72040-63-2).
3. SABC-FITC+Peroxidase (FITC and peroxidase conjugated streptavidin): 100x, 0.5ml (2mg/ml). Manufactured by Boster's 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 Na₂HPO₄ and 0.4g anhydrous NaH₂PO₄ 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 (C₆H₅Na₃O₇·2H₂O) and 0.4g citric acid monohydrate (C₆H₈O₇·H₂O) in 1000ml of distilled water.
4. DAB Chromogenic Kit (Catalog number: AR1022 or AR1025), to be used with SABC-POD.
5. 0.1% trypsinase or the compound digest solution (Catalog number: AR0022).

Note

Goat 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 goat.