



## Product Information Sheet

### FITC Conjugated Rat IgG SABC Kit

**Catalog No.** SA1069

**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 immunochemistry 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 rabbit serum blocking reagent: 10×, 10 ml, for the block of tissue sections.
2. Biotinylated Secondary Antibody (Rabbit Anti-rat IgG): 100~200×, 1 ml (2mg/ml). Affinity purified antibody, labeled with "long-arm" biotin (Biotinamidohexanoic acid N-hydroxysuccinimide ester, CAS# 72040-63-2).
3. SABC-FITC (FITC conjugated streptavidin): 100~200×, 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<sub>2</sub>HPO<sub>4</sub> and 0.4g anhydrous NaH<sub>2</sub>PO<sub>4</sub> 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 (C<sub>6</sub>H<sub>5</sub>Na<sub>3</sub>O<sub>7</sub>·2H<sub>2</sub>O) and 0.4g citric acid monohydrate (C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>·H<sub>2</sub>O) in 1000ml of distilled water.
4. 0.1% trypsinase or the compound digest solution (Catalog number: AR0022).

**Note**

Rat 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 rat.

To reorder contact us at:  
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