SABC (Mouse IgG FITC + HRP) kit

Streptavidin-Biotin Complex (SABC) kit is specially designed for displaying the distribution of antigens on tissues and cells in immunochemistry and other immunodetection analyses. Streptavidin is a 47,000 Dalton protein purified from the bacterium Streptomyces avidinii. Streptavidin has extraordinarily strong affinity to biotin molecules. The dissociation constant (Kd) of the biotin-Streptavidin complex is on the order of ~10-15 mol/L, a million times higher than the typical affinity between antigens and their antibodies. Streptavidin has very low non-specific binding to tissues and cells, due to its nearly neutral isoelectric point (pI=6.0~6.5). Therefore, immunohistochemical analyses based on Streptavidin-biotin complex has extremely low background. Furthermore, this kit has high sensitivity because each complex it generates has a large number of alkaline phosphatase and Streptavidin molecules. In brief, SABC offers high specificity, low background and ease-of-use.

Note: Mouse IgG refers to the host of the primary antibody, not the origin of the specimen. This kit should be used on primary antibodies from Mouse.

Catalog No.	506114
Size	Kit
Product Category	Immuno Detection
Kit Components	1) Biotinylated Goat anti-Mouse IgG: 100uL 2) FITC-Streptavidin concentrate: 100uL 3) BSA Blocking Buffer (5%): 10mL 4) HRP-Streptavidin concentrate: 100uL 5) Dilution buffer: 30mL 6) DAB Substrate: Reagent A & B (1mL each) 7) Mounting Mediun (antifading): 10mL
Storage/Stability	-20°C / 1year
Shipping	Gel Packs