SABC (Mouse IgG-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; the compnents supplied in this kits are suffient for 100-200 assay.

Catalog No.	506106
Size	Kit
Product Category	Immuno Detection
Kit Components	1) Biotinylated Goat anti-Mouse IgG: 100uL 2) HRP-Streptavidin concentrate: 100uL 3) BSA Blocking Buffer (5%): 10mL 4) Dilution buffer: 30mL 5) 3% H2O2: 10mL 6) DAB Substrate: Reagent A & B (1mL each)
Storage/Stability	-20°C / 1year
Shipping	Gel Packs