

## SABC (Mouse IgG + Rabbit IgG-HRP) kit

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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  $\sim 10^{-15}$  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 & Rabbit 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 & Rabbit; the components supplied in this kits are sufficient for 100-200 assay.

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| Catalog No.       | 506112   |
| Size              | Kit  |
| Product Category  | Immuno Detection   |
| Kit Components    | 1) Biotinylated Goat anti-Mouse IgG: 100uL 2) Biotinylated Goat anti-Rabbit IgG: 100uL 3) HRP-Streptavidin concentrate: 100uL 4) BSA Blocking Buffer (5%): 10mL 5) Dilution buffer: 30mL 6) 3% H2O2: 10mL 7) DAB Substrate: Reagent A & B (1mL each) |
| Storage/Stability | -20°C / 1year  |
| Shipping          | Gel Packs  |

