

Monoclonal anti-human Streptavidin antibody (clone 1C2)

Mouse IgG_{2b}, κ

Cat. No. IBAST0904

Immunogen: Recombinant Streptavidin (25-183aa) purified from *E. coli*

NCBI Accession No.: CAA27265

Isotype: Mouse IgG_{2b} heavy chain and κ light chain

Clone: Anti-Streptavidin mAb, clone 1C2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant Streptavidin protein.

Description: Streptavidin, a tetrameric protein secreted by *Streptomyces avidinii*, binds tightly to a small growth factor biotin. It finds wide use in molecular biology through its extraordinarily strong affinity for the vitamin biotin; the dissociation constant (K_d) of the biotin-streptavidin complex is on the order of $\sim 10^{-15}$ mol/L. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.

Concentration: 1mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.

Storage: Can be stored at +4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~3,000. Recommended starting dilution is 1:2,000.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

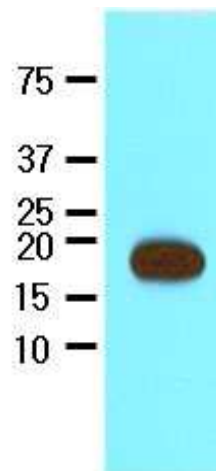
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Product information

Application: ELISA, WB

Western blot analysis

Recombinant Streptavidin protein (17kDa) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-Streptavidin (1:2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



General references: Mark Howarth, *et al.* (2006) *Nature Methods*. **3**:267-73.

Holmberg A., *et al.* (2005) *Electrophoresis*. **26**(3):501-10

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