

## Streptavidin, Co-Gold conjugated

**Cat. Number:** bs-0437P-Gold

**Quantity size:** 0.5ml / 1ml     5nm     10nm     15nm     35nm

**Concentration:** 0.4mg/ml. Buffer =50mM TBS(pH8.0) with 1% BSA, 0.03% Proclin300.

**Background:** Streptavidin is a tetrameric protein composed of identical subunits. Each subunit binds one biotin molecule with a KD of  $\sim 1 \times 10^{-15} \text{M}$ . The preparation contains an N- and C-terminal shortened variant (core streptavidin) with improved properties concerning homogeneity, solubility, resistance towards proteolytic degradation and accessibility of the biotin binding pocket as compared to native streptavidin. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.

**Application:** Optimal working dilutions must be determined by the end user.

**Storage:** Store at 2-8 °C for 3-6 months. Avoid repeated freeze/thaw cycles.

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.