

Product Datasheet

Streptavidin HRP Conjugated, for ELISA GRP12980

Tested Applications ELISA

Storage Store freeze-dried (lyophilized) powder at Store at 2-8°C.
Rehydrate with 1.1 ml of deionized water and let stand 30 minutes at room temperature to dissolve. Centrifuge to remove any particulates. Prepare fresh working dilution daily. Shelf life of this product is 1 year from date of receipt.

Note For research use only.

Dilution Range The optimal working dilution should be determined by the investigator. Suggested starting dilution(s): 1 : 500-1 : 2000 1 : 50 000-1 : 5 000 (WB)

Application Notes Additional Information: Buffer composition: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free. 0.1 % Kathon CG (v/v) is included as preservative. Streptavidin is overexpressed in bacterial culture, purified and conjugated to horse radish peroxidase (HRP). Background: Streptavidin is a protein that has a very high affinity for biotin (known as vitamin B7 or H). The binding of biotin to streptavidin is one of the strongest non-covalent interactions known in nature. Streptavidin is mostly used in molecular biology and bionanotechnology since the complex of streptavidin-biotin is resistant to organic solvents, denaturants etc. and extremes of temperature and pH.