

Streptavidin-HRP

v. 230201

Catalog number	C08009-500UL								
Package	500 µL								
Description	Streptavidin is a 53 kDa homotetramer isolated from <i>Streptomyces avidinii</i> . Because of its strong non-covalent interaction with biotin, streptavidin can be used to detect and isolate biotinylated proteins. Conjugation of horseradish peroxidase (HRP) to streptavidin is obtained by cross linking the amino groups on streptavidin with the carbohydrate groups on HRP. Streptavidin-HRP is typically used biotinylated antibodies or proteins.								
Concentration	N/A								
Conjugation	Horseradish peroxidase (HRP), to streptavidin								
Form	Liquid								
Storage buffer	Phosphate Buffered Saline containing 50% glycerol and 0.01% ProCline 300, pH 7.4.								
Storage	Store at 4°C for 6 months. Store at -20°C for 1 year. Avoid repeated freeze/thaw cycles. Suggestion: Divide antibody into several vials. Keep only vials for usage at 4°C.								
Application	ELISA, WB, IHC								
Application Note	Horseradish peroxidase is conjugated to the streptavidin tetramer at about 1:1 molar ratio. Optimal titers for the applications should be determined by the researcher.								
Manual	<table border="1"> <thead> <tr> <th>Application</th> <th>Dilution factor</th> </tr> </thead> <tbody> <tr> <td>ELISA</td> <td>1:5000-20000</td> </tr> <tr> <td>WB</td> <td>1:1000-10000</td> </tr> <tr> <td>IHC</td> <td>1:200-500</td> </tr> </tbody> </table> <p>Note: Application concentration may be various determined by the end user.</p>	Application	Dilution factor	ELISA	1:5000-20000	WB	1:1000-10000	IHC	1:200-500
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