



## CELL LAB Streptavidin

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
732989	Purified (UNLB) Streptavidin	5.0 mg
732990	Purified (UNLB) Streptavidin	0.5 mg
732991	Fluorescein (FITC) Conjugate	1.0 mg
732992	Fluorescein (FITC) Conjugate	0.5 mg
732993	Rhodamine (TRITC) Conjugate	1.0 mg
732994	Alkaline Phosphatase (AP) Conjugate	1.0 mL
732995	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
732996	$\beta$ -Galactosidase (BGAL) Conjugate	1.0 mL
732997	Texas Red <sup>®</sup> (TXRD) Conjugate	1.0 mg
732998	Phycoerythrin (PE) Conjugate	1.0 mg
732999	Phycoerythrin (PE) Conjugate	0.5 mg
733000	Phycoerythrin (PE) Conjugate	0.1 mg
733001	Allophycocyanin (APC) Conjugate	1.0 mg
733002	Allophycocyanin (APC) Conjugate	0.1 mg
735331	Allophycocyanin (APC) Conjugate	0.5 mg
733003	Spectral Red <sup>™</sup> (SPRD) Conjugate	0.5 mg
733004	Spectral Red <sup>™</sup> (SPRD) Conjugate	0.1 mg
733005	Cyanine 5 (Cy <sup>™</sup> 5) Conjugate	1.0 mg
735363	Phycoerythrin-Cyanine 5.5 (PE-Cy <sup>™</sup> 5.5) Conjugate	0.5 mg
735897	Phycoerythrin-Cyanine 5.5 (PE-Cy <sup>™</sup> 5.5) Conjugate	0.1 mg
735899	Phycoerythrin-Cyanine 7 (PE-Cy <sup>™</sup> 7) Conjugate	0.5 mg
735905	Phycoerythrin-Cyanine 7 (PE-Cy <sup>™</sup> 7) Conjugate	0.1 mg

### For Laboratory Use Only

#### DESCRIPTION

**Source:** *Streptomyces avidinii*  
**Mr/Structure:** 60 kDa tetramer of four identical subunits each containing a single binding site  
**Specificity:** d-Biotin

#### APPLICATIONS

- Flow cytometry
- Enzyme-Linked Immunosorbent Assay (ELISA)
- Immunoblotting
- Immunohistochemistry

#### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using ELISA, Particle Concentration Fluorescence Immunoassay and/or flow cytometry.

#### WORKING DILUTIONS

**Flow Cytometry:** FITC conjugate  $\leq 1 \mu\text{g} / 10^6$  cells  
 PE, APC, SPRD, Cy5, PE-Cy5.5, and PE-Cy7.7  $\leq 0.2 \mu\text{g} / 10^6$  cells  
 conjugates

<b>ELISA:</b>	AP conjugate	1:2,000-1:4,000
	HRP conjugate	1:4,000-1:8,000
	BGAL conjugate	1:500

**Other Applications:** Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

### HANDLING AND STORAGE

- The purified (UNLB) streptavidin is supplied as either 0.5 mg of protein in 0.1 mL or 5.0 mg of protein in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
- The fluorescein (FITC) conjugates are supplied as either 0.5 mg in 0.5 mL or 1.0 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The rhodamine (TRITC), Texas Red (TXRD) and Cyanine (Cy5) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50 mM Tris/ 1 mM MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing 0.1% NaN<sub>3</sub> as preservative.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added.
- The β-galactosidase (BGAL) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS/NaN<sub>3</sub> as preservative.
- The phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as either 0.1 mg in 0.2 mL, 0.5 mg in 1.0 mL or 1.0 mg in 2.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent.
- The Spectral Red (SPRD), phycoerythrin-Cyanine 5.5 (PE-Cy5.5) and phycoerythrin-Cyanine 7 (PE-Cy7) conjugates are supplied as either 0.1 mg in 0.2 mL or 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent.
- Protect fluorochrome-conjugated forms from light. Do not freeze.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

### STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Minimize exposure of reagent to light during storage or incubation.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use Good Laboratory Practice (GLP) when handling this reagent.
7. Harmful if swallowed.
8. After contact with skin, wash immediately with plenty of water.
9. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

### TRADEMARKS

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Made in USA

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PN 734088-B