



## Streptavidin

Cat. No.	Format	Size
7105-01	Purified (UNLB)	5.0 mg
7105-01S	Purified (UNLB)	0.5 mg
7105-02	Fluorescein (FITC)	1.0 mg
7105-02S	Fluorescein (FITC)	0.5 mg
7105-03	Rhodamine (TRITC)	1.0 mg
7105-04	Alkaline Phosphatase (AP)	1.0 mL
7105-05	Horseradish Peroxidase (HRP)	1.0 mL
7105-06	$\beta$ -galactosidase (BGAL)	1.0 mL
7105-07	Texas Red® (TXRD)	1.0 mg
7105-09L	R-phycoerythrin (PE)	1.0 mg
7105-09M	R-phycoerythrin (PE)	0.5 mg
7105-09S	R-phycoerythrin (PE)	0.1 mg

Cat. No.	Format	Size
7105-10	R-phycoerythrin-Texas Red® (PE/TXRD)	0.1 mg
7105-11L	Allophycocyanin (APC)	1.0 mg
7105-11M	Allophycocyanin (APC)	0.5 mg
7105-11S	Allophycocyanin (APC)	0.1 mg
7105-12	Cyanine 3 (CY3)	0.1 mg
7105-13L	Spectral Red® (SPRD)	0.5 mg
7105-13S	Spectral Red® (SPRD)	0.1 mg
7105-15	Cyanine 5 (CY5)	1.0 mg
7105-17L	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.5 mg
7105-17S	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
7105-19L	Allophycocyanin-Cyanine 7 (APC/CY7)	0.5 mg
7105-19S	Allophycocyanin-Cyanine 7 (APC/CY7)	0.1 mg

### Description

Specificity	Biotin
Source	<i>E. coli</i>

### Applications

Quality tested applications include –

ELISA<sup>1-11</sup>  
FLISA  
FC<sup>12,13</sup>

Other referenced applications include –

ELISPOT<sup>14-17</sup>  
IHC-FS<sup>21</sup>  
IHC-PS<sup>18</sup>  
ICC<sup>21</sup>  
WB<sup>8,11</sup>  
Multiplex<sup>19,20</sup>

### Working Dilutions

<b>Flow Cytometry</b>	FITC and CY3 conjugates	$\leq 1 \mu\text{g}/10^6 \text{ cells}$
	PE, PE/TXRD, and CY5 conjugates	$\leq 0.2 \mu\text{g}/10^6 \text{ cells}$
	APC, SPRD, and APC/CY7 conjugates	$\leq 0.1 \mu\text{g}/10^6 \text{ cells}$
	PE/CY7 conjugate	$\leq 0.01 \mu\text{g}/10^6 \text{ cells}$
For flow cytometry, the suggested use of these reagents is in a final volume of 100 $\mu\text{L}$		
<b>FLISA</b>	FITC, TRITC, TXRD, and CY3 conjugates	1:100 – 1:400
	PE, APC, and CY5 conjugates	$\leq 1 \mu\text{g}/\text{mL}$
<b>ELISA</b>	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BGAL conjugate	1:500
<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

- The purified (UNLB) streptavidin is supplied as 5.0 mg protein in 1.0 mL or 0.5 mg in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 0.5 mL or 1.0 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The rhodamine (TRITC), Texas Red® (TXRD), and Cyanine 5 (CY5) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. *No preservative added.* Store at 2-8°C or long-term at -20°C.
- The β-galactosidase (BGAL) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS containing NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied 1.0 mg in 2.0 mL, 0.5 mg in 1.0 mL, or 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Cyanine 3 (CY3) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin/Texas Red® (PE/TXRD) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. **Do not freeze!**
- The Spectral Red® (SPRD), R-phycoerythrin-Cyanine 7 (PE/CY7), and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 0.5 mg in 1.0 mL or 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

## References

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Spectral Red® is a PE/CY5 tandem conjugate.

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