



Streptavidin

Cat. No.	Format	Size
7100-01	Purified (UNLB)	5.0 mg
7100-01S	Purified (UNLB)	0.5 mg
7100-02	Fluorescein (FITC)	1.0 mg
7100-02S	Fluorescein (FITC)	0.5 mg
7100-03	Rhodamine (TRITC)	1.0 mg
7100-04	Alkaline Phosphatase (AP)	1.0 mL
7100-05	Horseradish Peroxidase (HRP)	1.0 mL
7100-06	β -galactosidase (BGAL)	1.0 mL
7100-07	Texas Red [®] (TXRD)	1.0 mg
7100-09L	R-phycerythrin (PE)	1.0 mg
7100-09M	R-phycerythrin (PE)	0.5 mg
7100-09S	R-phycerythrin (PE)	0.1 mg
7100-10	R-phycerythrin-Texas Red [®] (PE/TXRD)	0.1 mg

Cat. No.	Format	Size
7100-11L	Allophycocyanin (APC)	1.0 mg
7100-11M	Allophycocyanin (APC)	0.5 mg
7100-11S	Allophycocyanin (APC)	0.1 mg
7100-12	Cyanine 3 (CY3)	0.1 mg
7100-13L	Spectral Red [®] (SPRD)	0.5 mg
7100-13S	Spectral Red [®] (SPRD)	0.1 mg
7100-15	Cyanine 5 (CY5)	1.0 mg
7100-17L	R-phycerythrin-Cyanine 7 (PE/CY7)	0.5 mg
7100-17S	R-phycerythrin-Cyanine 7 (PE/CY7)	0.1 mg
7100-19L	Allophycocyanin-Cyanine 7 (APC/CY7)	0.5 mg
7100-19S	Allophycocyanin-Cyanine 7 (APC/CY7)	0.1 mg
7100-21	Cyanine 2 (CY2)	1.0 mg
7100-24	Cyanine 3.5 (CY3.5)	0.1 mg

Description

Specificity	Biotin
Source	<i>Streptomyces avidinii</i>

Applications

Quality tested applications include –

ELISA¹⁻⁷

FLISA

FC^{1,2,4,8-15}

Other referenced applications include –

ELISPOT^{4,6-8}

IHC-FS^{9,10,13,16-19}

IHC-PS^{16,18,21}

ICC^{11,17,19}

WB^{3,5,20}

Multiplex²²

Microarray²³

Block²⁴

Working Dilutions

Flow Cytometry	FITC, CY2, CY3, and CY3.5 conjugates PE, CY5, and PE/TXRD conjugates APC, SPRD and APC/CY7 conjugates PE/CY7 conjugate For flow cytometry, the suggested use of these reagents is in a final volume of 100 μ L	$\leq 1 \mu\text{g}/10^6 \text{ cells}$ $\leq 0.2 \mu\text{g}/10^6 \text{ cells}$ $\leq 0.1 \mu\text{g}/10^6 \text{ cells}$ $\leq 0.01 \mu\text{g}/10^6 \text{ cells}$
FLISA	FITC, TRITC, TXRD, CY2, CY3, and CY3.5 conjugates PE, APC, and CY5 conjugates	1:100 – 1:400 $\leq 1 \mu\text{g/mL}$
ELISA	AP conjugate HRP conjugate BGAL conjugate	1:2,000 – 1:4,000 1:4,000 – 1:8,000 1:500
Other Applications	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 either 0.5 mg in 0.5 mL or 1.0 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The rhodamine (TRITC), Texas Red® (TXRD), Cyanine 2 (CY2), and Cyanine 5 (CY5) conjugates are supplied as 1.0 mg in 1.0 mL PBS/NaN₃. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50 mM Tris/1 mM MgCl₂/50% glycerol, pH 8.0, containing NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- 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.* Store at 2-8°C or long-term at -20°C.
- The β-galactosidase (BGAL) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS containing NaN₃ 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/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The R-phycoerythrin/Texas Red (PE/TXRD) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN₃ 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/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Cyanine 3 (CY3) and Cyanine 3.5 (CY3.5) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- 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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Cy® is a registered trademark of GE Healthcare.

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