



## CELL LAB Neutralite Avidin

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
733006	Purified (UNLB) Avidin	5.0 mg
733007	Fluorescein (FITC) Conjugate	1.0 mg
733008	Rhodamine (TRITC) Conjugate	1.0 mg
733009	Alkaline Phosphatase (AP) Conjugate	1.0 mL
733010	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
733011	$\beta$ -Galactosidase (BGAL) Conjugate	1.0 mL
733012	Texas Red <sup>®</sup> (TXRD) Conjugate	1.0 mg
733013	Phycoerythrin (PE) Conjugate	0.5 mg
733014	Allophycocyanin (APC) Conjugate	0.1 mg
733015	Spectral Red <sup>™</sup> (SPRD) Conjugate	0.1 mg
735907	Cyanine 5 (Cy <sup>™</sup> 5) Conjugate	1.0 mg

### For Laboratory Use Only

#### DESCRIPTION

**Source:** Neutralized (pI = 6.3), deglycosylated avidin purified from egg white.  
**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 and Cy5 conjugates	$\leq 0.2 \mu\text{g} / 10^6$ cells
SPRD conjugate	$\leq 1 \mu\text{g} / 10^6$ cells

**ELISA:**

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) avidin is supplied as 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), 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>.
- 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, pH 7.4, containing 0.1% sodium azide as preservative.
- The phycoerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent.
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent.
- The Spectral Red (SPRD) conjugate is supplied as 0.1 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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