Neutralite Avidin

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>7200-01</td>
<td>Purified (UNLB)</td>
<td>5.0 mg</td>
</tr>
<tr>
<td>7200-02</td>
<td>Fluorescein (FITC)</td>
<td>1.0 mg</td>
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<tr>
<td>7200-03</td>
<td>Rhodamine (TRITC)</td>
<td>1.0 mg</td>
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<tr>
<td>7200-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>7200-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>7200-06</td>
<td>β-galactosidase (BGAL)</td>
<td>1.0 mL</td>
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<tr>
<td>7200-07</td>
<td>Texas Red™ (TXRD)</td>
<td>1.0 mg</td>
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<tr>
<td>7200-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.5 mg</td>
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<tr>
<td>7200-11</td>
<td>Allophycocyanin (APC)</td>
<td>0.1 mg</td>
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<tr>
<td>7200-12</td>
<td>Cyanine 3 (CY3)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>7200-13</td>
<td>Spectral Red™ (SPRD)</td>
<td>0.1 mg</td>
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<tr>
<td>7200-15</td>
<td>Cyanine 5 (CY5)</td>
<td>1.0 mg</td>
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<tr>
<td>7200-21</td>
<td>Cyanine 2 (CY2)</td>
<td>1.0 mg</td>
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</tbody>
</table>

Description

**Specificity**
Biotin

**Source**
Neutralized (pI = 6.3 ± 0.3), deglycosylated avidin purified from egg white

Applications

Quality tested applications include –
ELISA 1-9
FLISA
FC 2,10,12-14

Other referenced applications include –
ELISPOT 3,10,11
IHC-FS 10,15-18
IHC-PS 19
ICC 20,21
WB 4,22-24
Microarray 25

Working Dilutions

**Flow Cytometry**
- FITC, CY2, and CY3 conjugates ≤ 1 µg/10⁶ cells
- PE, APC, SPRD, and CY5 conjugates ≤ 0.2 µg/10⁶ cells
  - For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL

**FLISA**
- FITC, TRITC, TXRD, CY2, and CY3 conjugates 1:100 – 1:400
- PE, APC, and CY5 conjugates ≤ 1 µg/mL

**ELISA**
- AP conjugate 1:500 – 1:2,000
- HRP conjugate 1:4,000 – 1:8,000
- BGAL conjugate 1:500

**Other Applications**
Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
Handling and Storage

- The purified (UNLB) avidin is supplied as 5.0 mg protein 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), rhodamine (TRITC), Texas Red® (TXRD), Cyanine 2 (CY2), and Cyanine 5 (CY5) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN3. 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 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 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 NaN3 as preservative. Store at 2-8°C or long-term at -20°C.
- The R-phycocerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The allophtocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Cytin 3 (CY3) conjugate is 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


Texas Red® is a registered trademark of Molecular Probes, Inc.
Spectral Red® is a registered trademark of Spectral Technologies, Inc.
Spectral Red® is PE/CY5 tandem conjugate.
Cy5® is a registered trademark of GE Healthcare.