

## AVIDIN-ALKALINE PHOSPHATASE

Product No. **A7294**

Lot No. 018H4849

The product is affinity purified egg white avidin (activity 10-15 units/mg protein) conjugated to alkaline phosphatase using a 0.2% glutaraldehyde method. The conjugate is provided as a solution in 0.05 M Tris-HCl, pH 8.0, containing 1 mM MgCl<sub>2</sub>, 1% BSA and 15 mM sodium azide (see MSDS)\* as a preservative.

### Titers

1. 1:70,000 (ELISA)

The working dilution of the conjugate for use as a reagent in enzyme immunoassay is determined by testing dilutions of the conjugate in microtiter plates coated with mouse IgG (1 µg/ml) and Biotin Rabbit Anti-Mouse IgG (Sigma Product No. B8520). At this dilution of the Avidin-Alkaline Phosphatase conjugate, an absorbance of 1.0 at 405 nm after 30 minutes of substrate conversion (25°C) is observed.

**Substrate:** *p*-Nitrophenyl Phosphate (pNPP), 1.0 mg/ml in 10% diethanolamine buffer, pH 9.8, containing 0.1% sodium azide.

2. Dot Blot

- a. A dilution of 1:150,000 was determined by dot blot using 5-20 ng human IgG/dot and biotin conjugated rabbit anti-human IgG.
- b. A dilution of 1:150,000 was determined by chemiluminescence using 5-20 ng human IgG/dot and biotin conjugated rabbit anti-human IgG. Substrate: 1,2 Dioxetane plus enhancer.

### Storage

Store at 2-8°C. **DO NOT FREEZE.**

\*Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

2/98