

Product Information

Avidin-Alkaline Phosphatase

Catalog Number **A7294**

Product Description

The product is affinity purified egg white avidin (activity 10-15 units/mg protein) conjugated to alkaline phosphatase using a 0.2% glutaraldehyde method.

Reagent

Supplied as a solution in 0.05 M Tris-HCl, pH 8.0, containing 1 mM MgCl₂, 1% BSA and 15 mM sodium azide as a preservative.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage

Store at 2-8 °C. Do not freeze.

Product Profile

ELISA: minimum dilution 1:70,000

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 Anti-Mouse IgG (whole molecule)-Biotin, Catalog Number B8520. At this dilution of the Avidin-Alkaline Phosphatase, 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.

Immunoblotting: a working dilution of 1:150,000-1:300,000 is determined using immunoblot assay detecting β-actin in total cell extract of HeLa cells (5-10 µg per lane)

MG,KAA,PHC 05/10-1