

Product Information

Avidin-Peroxidase

A7419

Product Description

Affinity purified hen egg white avidin (activity 10-15 units/mg protein) is conjugated to purified horseradish peroxidase (HRP).

Reagent

Supplied as a liquid in 0.01 M phosphate buffered saline, pH 7.4, containing 0.05% MIT as a preservative.

Avidin concentration (P): 2-3 mg/mL

P/E Molar Ratio: 0.6-1.5

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Product Profile

Titer

Minimum 1:100,000 (ELISA)

Titer is defined as the dilution of conjugate sufficient to give a change in absorbance of 1.0 at 450 nm after 30 minutes of substrate conversion at 25 °C.¹

Microtiter plates are coated with purified mouse IgG at a concentration of 1 µg/mL in phosphate buffered saline, pH 7.4. Anti-Mouse IgG (whole molecule) -Biotin (Cat. No. B8520) is used as the primary antibody.

Substrate: 0.04% *o*-Phenylenediamine Dihydrochloride** (OPD, Cat. No. P8787) and 0.012% H₂O₂** in phosphate-citrate buffer, pH 5.0.

**Add immediately before use.

Immunoblotting

A working dilution of 1:400,000-1:800,000 is determined using an immunoblot assay detecting β-Actin in total cell extract of HeLa cells (5-10 µg/well)

Note: Working dilutions should be determined by titration assay. Due to differences in assay systems, this titer may not reflect the user's actual working dilution.

References

1. Voller, A., et al., Bull. World Health Organ. **53**: 55 (1976).

Notice

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