



The Nitrate Elimination Co., Inc.

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Polyclonal Antibodies to *Zea mays* (corn) leaf Nitrate Reductase NADH:NaR EC 1.6.6.1

Product Number Zm1-P

Protein-A purified Rabbit Anti-Corn NaR IgG Price: **\$30/1.0 mg IgG**

Product Number Zm1-G

Above IgG bound to Agarose Price: **\$150/1 ml gel**

Source

Zm1-P is a polyclonal antibody developed in rabbit using immunoaffinity-purified *Zea mays* corn leaf NADH:NaR as the antigen.

Product

The IgG has been purified from rabbit serum by Protein A affinity chromatography. It is supplied as a solution of 1.0 mg/ml in PBS (phosphate buffered saline). Product Zm1-G is the purified Antibody conjugated to agarose, supplied as 1 mg Antibody/ml gel.

Storage

Store purified Antibody Zm1-P at -20°C in working aliquots. Avoid repeated freezing and thawing. Do *not* store in "frost-free" freezers.

Store Agarose-bound Antibody Zm1-G at 4°C. Do not freeze. Azide at 0.01% may be added for long term storage.

Specificity

Zm1-P is effective for detection of monocot NADH:Nitrate Reductases in ELISA and dot blot assays. It is also suitable for immunoprecipitation and for Western blot analysis.

Zm1-G is suitable for immunoprecipitation.

Working Dilutions

Working dilutions with vary with application. In general, begin with a maximum concentration of 5 µg Zm1-P/ml.

Reference

Hyde, GE, JA Wilberding, AL Meyer, ER Campbell & WH Campbell 1989. Monoclonal antibody-based immunoaffinity chromatography for purifying corn and squash NADH:nitrate reductases. *Plant Molecular Biology* **13**: 233-246.