General information

NORDIC IMMUNOLOGY offers over 1700 basic immunological reagents including antisera, antibodies, immunoconjugates, purified proteins, controls and calibrators. In over 30 years, NORDIC has established working reference standards which are periodically reviewed in the light of current progress.
NORDENZYME™ is the name of a group of polyclonal immunologic reagents to enzymes. Two different types of rabbit or sheep anti-enzyme products are offered: the isolated IgG fractions (7S) of the specific antisera and the isolated antibodies (PAb) to the enzymes. Products against some 180 enzymes are available either as 7S or PAb or in both forms. The 7S fractions are also available in biotinylated form.
The **NORDENZYME™** products have been obtained by immunization with highly purified enzymes.

Description

Affinity purified antibodies of polyclonal rabbit antiserum to β-hydroxybutyrate dehydrogenase from Rhodopseudomonas spheroides

Product code

NE078/PAb

Biological origin

Rabbit

Physical form

Purified hyperimmune rabbit IgG antibodies lyophilised from a solution in phosphate buffered saline (PBS, pH 7.2), stabilized with dextran.

Preservative

No preservative added, as it may interfere with the antibody activity. No foreign protein added.

Immunogen

β-Hydroxybutyrate dehydrogenase isolated and purified from Rhodopseudomonas spheroides. Freund's complete adjuvant is used in the first step of the immunization procedure.

Purification

Specific polyclonal antibody fractions were prepared by solid phase affinity chromatography.

Identity & Specificity

The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: immunoelectrophoresis, cross-immunoelectrophoresis, single radial immunodiffusion (Ouchterlony), block titration, ELISA, immunoblotting and enzyme inhibition.

Cross-reactivity

Cross-reactivities against enzymes of other sources may occur but have not been determined.

Physicochemical characteristics

PAb concentration 1 mg/0.5ml. No foreign proteins added.

Intended use

This product is intended for use in precipitating and non-precipitating antibody-binding assays (such as e.g., ELISA and Western blotting and immunofluorescence or histochemical techniques); to prepare an insoluble immuno-affinity adsorbent; for labelling with a marker of the customer's own choice.

Directions for use

Working dilutions in non-precipitating antibody-binding techniques may vary widely, but may be between 1/100 and 1/1,000.

Handling

The lyophilised PAb fraction is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 0.5 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the product.

Packing

Vial with 1 mg PAb fraction, lyophilised from 0.5 ml phosphate buffered saline.

Storage / shelf life

Lyophilised at +4°C	at least 10 years
reconstituted at or below -20°C	3-5 years
reconstituted at +4°C	7 days

Caution

This product should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For *in vitro* laboratory research purposes only.

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