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Rabbit anti Bovine lactoperoxidase, conjugated with Biotin

Catalogue number: **RAB/LPO/Bio**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	1 ml
Host	Rabbit
Species reactivity	Cattle
Application	Dot blot ELISA Immunoblotting Immunocytochemistry Immunohistochemistry (paraffin)

Background

The reactivity of the antiserum is restricted to lactoperoxidase as tested in immunoelectrophoresis and radial immunodiffusion. Using various antiserum concentrations against fresh bovine milk a single precipitin line is obtained. No precipitation reaction is obtained with normal bovine serum or plasma. In immunocytochemical and immunohistochemical staining to identify and measure lactoperoxidase at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates. As a second step an avidin or streptavidin conjugate of the user's choice has to be used.

Source

Lactoperoxidase (EC 1.11.1.7) is one of the major enzymes in bovine milk. The enzyme has a molecular weight of 80,000. It is isolated from pooled bovine milk. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Biotin-coupled purified hyperimmune rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added.

Applications

ELISA, Immunocytochemistry, Immunohistochemistry (paraffin), Dot blot, Immunoblotting.

Cross Reactivity

Distributors

For Purchasing Information,
please contact your local
distributor

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The antiSerum does not cross-react with any other component of Bovine Serum. Interspecies cross-reactivity is a normal feature of antibodies, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail, but reactivity with lactoperoxidase from Goat and Sheep may be expected.

Specificity

Biotin-conjugated IgG fraction of polyclonal Rabbit antiSerum to Bovine lactoperoxidase.

Storage

The lyophilized immunoconjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day. Lyophilized 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 is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.