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Diagnostik & molekulare Diagnostik



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Rabbit anti Bovine IgM (Fc specific), conjugated with Horseradish peroxidase

Catalogue number: **RAB/IgM(Fc)/PO**

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

Background

The reactivity of the antiserum is directed to the Fc subunit of the IgM molecule which expresses strict isotypic (class) specificity. It does not react with any non-Ig protein in bovine serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In enzyme-immunocytochemical and immunohistochemical staining for the detection of IgM at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to demonstrate circulating IgM antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of bovine origin known to be of the IgM isotype in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure IgM in bovine serum or other body fluids. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

Source

Purified normal IgM isolated from pooled bovine serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

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

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preservative added, as it may interfere with the antibody activity.

Applications

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

Cross Reactivity

Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail, however a strong reaction with Sheep IgM has been observed.

Specificity

Horseradish peroxidase-conjugated IgG fraction of polyclonal Rabbit antiSerum to Bovine IgM, Fc specific.

Storage

The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 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 immunoconjugate. 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.