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Diagnostik & molekulare Diagnostik



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Goat anti Human lactoferrin, conjugated with Biotin

Catalogue number: **GAHu/Lfr/Bio**

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

Background

In immunoelectrophoresis against human milk a single precipitin line is obtained. The antiserum does not react with any other protein component of human serum or plasma. In immunocytochemical and immunohistochemical techniques for the detection of human lactoferrin at the cellular and subcellular level in appropriately treated cell and tissue substrates; as detection reagent in nonisotopic methodology and solid phase immunochemistry (e.g. ELISA, Western blotting). As a second step an avidin or streptavidin conjugate of the user's choice has to be used. 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

Exocrine organs produce various secretions, each with its characteristic function. Proteins found in secretions may be divided into two groups: those specific for the particular secretion, and plasma proteins independent of the type of exocrine cells. Lactoferrin belongs to the first group. It is an iron containing protein with a molecular weight of 75,000 and it is antigenically different from transferrin. Lactoferrin has a slight antimicrobial action. Originally identified in milk, its presence has also been demonstrated in other secretions as saliva, semen and tears. The immunogen has been isolated from human milk. Freund's complete adjuvant is used in the first step of the immunization procedure.

Distributors

For Purchasing Information,
please contact your local
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Product

Biotin-coupled purified hyperimmune IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2) No preservative added, as it may interfere with the antibody activity.

Applications

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

Cross Reactivity

The antiSerum does not cross-react with any other Human plasma proteins as tested in gel-diffusion techniques. Inter-species cross-reactivity is a normal feature of antibodies to plasma or milk proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail, however in double radial immunodiffusion a reaction with Rhesus Monkey milk has been observed.

Specificity

Biotin-conjugated IgG fraction of polyclonal Goat antiSerum to Human lactoferrin

Storage

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.