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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Rabbit anti Human J chain of dimeric IgA, conjugated with FITC

Catalogue number: **RAHu/J/FITC**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	1 ml
Host	Rabbit
Species reactivity	Human
Application	ELISA Immunocytochemistry Immunofluorescence Immunohistochemistry (frozen)

Distributors

For Purchasing Information, please contact your local distributor

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Background

In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), this immunoconjugate shows a single precipitation reaction with totally reduced and alkylated polyclonal and monoclonal polymeric IgA, secretory IgA and IgM. A reaction of complete identity is obtained with precipitated highly purified J chain and with the single of precipitation obtained with normal human serum after two hours incubation with 9M urea and 0.2M mercaptoethanol at pH 8.6. In a competitive radioimmunoassay no inhibition is obtained with monomeric IgA, polyclonal IgG, reduced and alkylated alpha, mu, gamma, kappa and lambda light chains (less than 1 percent over background). In immunocytochemical and immunohistochemical techniques for the detection of human J chain at the cellular and subcellular level in appropriately treated cell and tissue substrates. 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

Human J chain is a polypeptide folded within the structure of the polymeric immunoglobulin, resulting in a very limited exposure of J chain antigenic determinants. The antiserum is raised against the isolated and purified J chain. J chains isolated from polymeric IgA and IgM are identical by criteria of composition, peptide maps and antigenicity; Human J chain is distinct from all other chain components of polymeric IgA and IgM. It has a unique primary structure as shown by sequence analyses. Freund's complete

adjuvant is used in the first step of the immunization procedure.

Product

FITC-coupled purified hyperimmune rabbit 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 (frozen), (In)direct immunofluorescence. 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 component of Human plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. J chains of many related specie (e.g. Mouse, Rabbit, Dog Cat Sheep and Swine) are known to possess a striking structural homology. Cross-reactivity of this antiSerum has not been tested in detail.

Specificity

Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal Rabbit antiSerum to Human J chain of dimeric IgA.

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.