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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Sheep anti Rat IgG Fab, conjugated with FITC

Catalogue number: **ShARa/Fab/FITC**

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

Distributors

For Purchasing Information,
please contact your local
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Background

The reactivity of the antiserum is directed to the Fab subunits of intact IgG, IgA IgM and other Ig classes of both light chain types, with their Fab or F(ab')₂ subunits, and with free light chains of kappa and lambda type. In immunoelectrophoresis and double radial immunodiffusion using various antiserum concentrations against pooled rat serum a characteristic precipitin line is obtained, which shows a reaction of identity with the precipitin line of the purified Fab. Direct staining of fixed cell and tissue substrates; to demonstrate the intracellular presence of free or Ig-bound subunits of both kappa or lambda type. In general this conjugate is not recommended as direct or indirect screening reagent for If isotypes on surface membranes of vital lymphoid cells. The activity to the common Ig/Fab subunit may result in the staining of immunoglobulins bound to the Fc-receptors on non-lymphoid cells. Combinations of isotype-specific reagents should be used instead for this purpose. 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 Fab from normal IgG isolated from pooled rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

FITC-coupled purified hyperimmune sheep 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.

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.

Specificity

Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal Sheep antiSerum to Rat Fab of IgG.

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 in the dark 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.