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Produktinformation



Forschungsprodukte & Biochemikalien



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 Mouse IgD (Fc specific), conjugated with FITC

Catalogue number: **ShAM/IgD(Fc)/FITC**

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

Distributors

For Purchasing Information,
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Background

The reactivity of the antiserum is directed to the Fc subunit of the IgD molecule, which expresses strict (class) specificity. In immunoelectrophoresis and radial in immunodiffusion using various antiserum concentrations against serum of mice belonging to different allotypic groups, a single precipitin line has been obtained which shows a reaction of identity with the precipitin lines obtained with the purified IgD of BALB/C and C57Bl origin used as immunogens. It does not react with IgG including all subclasses, IgG/Fab fragments, IgM and IgA or any non-Ig protein in mouse serum, as tested by immunoelectrophoresis and double radial immunodiffusion. The antiserum also react with membrane-bound IgD in peripheral blood cells of different mouse strains as tested by immunofluorescence microscopy. In immunocytochemical and immunohistochemical staining for the detection of IgD at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to identify and measure IgD in mouse 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

Pools of purified homogenous IgD isolated from BALB/C and C57Bl mouse 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

This immunoconjugate is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. However this conjugate has been passed over appropriate immunoabsorbents to remove antibodies cross-reacting with Human immunoglobulins. This renders it specific for use in test systems containing material of Human origin (e.g. Human tissue/Mouse monoclonal antibody to a Human tissue constituent/anti Mouse Ig isotype-specific immunoconjugate.

Specificity

Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal Sheep antiSerum to Mouse IgD, 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.