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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Goat anti Mouse IgG2a (subclass specific), conjugated with Horseradish peroxidase

Catalogue number: **GAM/IgG2a/PO**

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

Background

The reactivity of the antiserum is directed to the subclass IgG2a. It reacts with IgG2a of the allelic types Igh-1a and Igh-1b, which include BALB/C, C57Bl, CBA/J, SJL/J and SM/J. When used for the identification of IgG2a in other mouse strains the reaction may be weaker. The immunoconjugate contains antibodies to iso and allospecific determinants. It does not react with other subclasses of IgG, IgG/Fab fragments, IgM and IgA or any non-Ig protein in mouse serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In enzyme-immunocytochemical and immunohistochemical staining for the detection of IgG2a at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to demonstrate circulating IgG2a antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of mouse origin known to be of the IgG2a isotype in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure IgG2 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 IgG2a isolated from pooled mouse sera belonging to the allelic types Igh- 1a and Igh-1b. Freund's complete adjuvant is used in the first step of the immunization

Distributors

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procedure.

Product

Peroxidase-coupled purified hyperimmune goat 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.

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

Horseradish peroxidase-conjugated IgG fraction of polyclonal Goat antiSerum to Mouse IgG2a, subclass 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.