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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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Sheep anti Mouse IgG2a (subclass specific)

Catalogue number: **ShAM/IgG2a**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	1 ml
Host	Sheep
Species reactivity	Mouse
Application	Immunoprecipitation

Background

The reactivity of the antiserum is directed to the subclass IgG2a. It reacts strongly with Ig2a of the allelic types Igh-1a and Igh-1b, which include BALB/C, C57BL, CBA/J, SJ/J and SM/J. When used for the identification of IgG2a in other mouse strains the reaction may be weaker. The antiserum 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 precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgG2a in mouse serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of mouse IgG2a from serum or plasma.

Source

Pools of purified homogenous IgG2a isolated from mouse serum of strains belonging to the allelic types Igh-1a and Igh-1b. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Delipidated, heat inactivated, lyophilized whole antiserum. No preservative added, as it may interfere with the antibody activity. Total protein and IgG concentration in the antiserum are comparable to those of pooled normal sheep serum. No foreign proteins added.

Applications

Immunoprecipitation. In immunoelectrophoresis use 2 μ l or equivalent against 120 μ l antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 μ l antiserum in a 3 mm diameter centre well and 2 μ l serum

Distributors

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samples (neat and diluted) in 2 mm diameter peripheral wells.

Cross Reactivity

This IgG fraction is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity of this product has not been tested in detail.

Specificity

Precipitating polyclonal Sheep antiSerum to Mouse IgG2a, subclass specific.

Storage

The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day. 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.