



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



Rabbit anti Bovine beta lactoglobulin

Catalogue number: **RAB/BLgl**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	1 ml
Host	Rabbit
Species reactivity	Cattle
Application	Immunoprecipitation

Background

The defined antibody specificity is directed to beta-lactoglobulin as tested against bovine milk. In immunoelectrophoresis and double radial immunodiffusion (Ouchterlony) no reaction has been obtained with bovine serum. As precipitating antiserum to identify or measure bovine beta-lactoglobulin by a variety of immunodiffusion techniques, including immunoelectrophoresis, single and double radial immunodiffusion (Mancini, Ouchterlony) and electroimmunodiffusion (Laurell). It has not been tested for use in nephelometry, ELISA or immunochemistry, but this does not exclude such use if proper controls are included.

Source

Beta-lactoglobulin is the dominant protein in bovine milk, synthesized in mammary gland tissue. It is a glycoprotein present mainly as a dimer at intermediate concentrations near the isoelectric point. The molecular weight of the monomeric subunit is near 17,000. It is very sensitive to denaturation. Any treatment of native milk and also prolonged storage in the deepfreeze will lead first to polymerization (octamers and higher polymers) aggregation and finally to denaturation. Three genetic variants A, B and C have been identified. They differ very little in the amino acid constellation and their behavior under pH and temperature various conditions. No immunological differences were found between the variants. Beta-lactoglobulin can be purified in crystallized form. Allergic reactions of infants to bovine milk proteins are well known. The actual process by which such reactions develop and their impact on the infant's health have not been unambiguously established. Circulating antibodies to beta-lactoglobulin have been demonstrated in sera of some infants. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Distributors

For Purchasing Information, please contact your local distributor

[Find Distributor](#)

Delipidated, heat inactivated, lyophilized, stable whole antiserum
No preservative added. Total protein and IgG concentrations in the antiserum are comparable to those in pooled rabbit serum. No foreign proteins added.

Applications

Immunoprecipitation. In immunoelectrophoresis use 2 µl serum, plasma or equivalent against 120 µl antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µl antiserum in a 3 mm diameter centre well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells. In single radial immunodiffusion and electroimmunodiffusion use 0.5 to 1.0 percent antiserum in the agar gel.

Cross Reactivity

Homologous proteins of different species frequently share antigenic determinants. Cross-reactivity has been observed with milk of Sheep and Goat.

Specificity

Precipitating polyclonal Rabbit antiSerum to Bovine beta-lactoglobulin.

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.