



# 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

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## Rabbit anti Human ceruloplasmin

Catalogue number: **RAHu/Cpl**

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

## Distributors

For Purchasing Information, please contact your local distributor

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### Background

The reactivity of the antiserum is restricted to alpha-2 ceruloplasmin. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal human plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified alpha-2 ceruloplasmin. No reaction is obtained with any other plasma protein component or serum. In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of alpha-2 ceruloplasmin in human plasma or other body fluids or to determine its concentration. The presence of non precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in more sensitive non-precipitating antibody binding techniques if proper controls are included.

### Source

Alpha-2 ceruloplasmin is copper containing alpha-2 glycoprotein with a molecular weight of 160,000. Its mean concentration in plasma of adults is 32 mg/100ml. Elevated levels are observed in pregnant women, in patients with infectious diseases and the nephritic syndrome. More than 90% of the plasma copper is bound to this protein. Ceruloplasmin is isolated from pooled human serum by sequential precipitation and purified by ion exchange chromatography and affinity chromatography. Freund's complete adjuvant is used in the first step of the immunization procedure.

### Product

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

### Applications

Immunoprecipitation. In immunoelectrophoresis in agarose-plates

use 2 µl human plasma or equivalent against 120 µl antiserum. In double radial immunodiffusion use a rosette arrangement with 10 µl antiserum in 3 mm diameter center well and 2 µl plasma samples (neat and serially diluted) in 2 mm diameter peripheral wells.

#### **Cross Reactivity**

The antiSerum does not cross react with any other component of Human plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail.

#### **Specificity**

Precipitating polyclonal Rabbit antiSerum to Human alpha-2 ceruloplasmin.

#### **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.