



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

Technically  
Speaking

**CEDARLANE**<sup>®</sup>   
[www.cedarlanelabs.com](http://www.cedarlanelabs.com)

Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**Purified Anti-Human Complement Component  
C4b Polyclonal Antibody**

**CL2154AP**  
**LOT: 5422**

**DESCRIPTION:**

Cedarlane's Anti-Human Complement Component C4b polyclonal antibody reacts with human C4b. C4 is a 210 KDa trimeric glycoprotein containing three polypeptide chains  $\alpha$ ,  $\beta$  and  $\gamma$  with respective molecular weights of 93KDa, 75KDa and 33 KDa. C4 breaks down into C4a and C4b. C4 along with C1, C2 and C3 is involved in the initial stages of complement activation via the classical complement pathway. C4b covalently binds to the surface of a microbe or cell, where Ab is bound and complement is activated. C4b also binds C2 for cleavage by C1s. This antibody may cross react with C4b from other species.

Reported applications of this antibody include flow cytometry, ELISA and Western blots. CL2154AP binds to three bands (88KDa, 75KDa and 33KDa) in Western Blot analysis under denaturing condition.

**PRESENTATION:**

500  $\mu$ g of purified chicken IgY buffered in PBS and 0.02%  $\text{NaN}_3$ .

**STORAGE/STABILITY:**

Store at 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

**SPECIFICATIONS:**

Clone: polyclonal

Hybridoma Production:

Immunization:

Immunogen: Purified human complement C4b.

Antigen: Purified Human C4

Specificity: Binds to all three components of the C4b trimer.

Ig Class: Chicken Immunoglobulin Y (IgY)

Format: Purified IgY buffered in PBS and 0.02%  $\text{NaN}_3$ .

Antibody Concentration: 1.0 mg/ml

Visit our website for your local distributor.

**CEDARLANE**<sup>®</sup> 

[www.cedarlanelabs.com](http://www.cedarlanelabs.com)

An ISO 9001:2000 and ISO 13485:2003  
registered company.

In CANADA: Toll Free: 1-800-268-5058

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020  
e-mail: [general@cedarlanelabs.com](mailto:general@cedarlanelabs.com)

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138  
e-mail: [service@cedarlanelabs.com](mailto:service@cedarlanelabs.com)

**TEST RESULTS:**

ELISA: 1/1000 – 1/5000

Flow Cytometry: 1.0 ug per million cells

Tested on mouse thymocytes labelled with purified anti-mouse CD90 mAb (CL8600AP) (for complement activation) and then incubated with human sera.

**REFERENCES:**

1. Kremmer, E, Thierfelder S, Felber E, Hoffmann-Fezer, G, and Wasiliu, M. 1990. Monoclonal antibodies to complement componenets without the need of their prior purification. II. Antibodies to mouse C3 and C4. Hybridoma. Aug; 9 (4):309-17.

**FOR RESEARCH USE ONLY**

® is a Registered Trademark of Cedarlane Laboratories Limited.

