



# 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 Mouse Anti-Human CD46  
Monoclonal Antibody**

**CLX52AP**

**Lot:**

**Size:** 0.1 mg

**Clone:** MEM-258

**Isotype:** Mouse IgG<sub>1</sub>

**Specificity:** The antibody MEM-258 recognizes an epitope on SCR4 (the membrane-proximal SCR) domain of CD46 (Membrane cofactor protein). CD46 is 56-66 kDa dimeric transmembrane protein expressed on T and B lymphocytes, platelets, monocytes, granulocytes, endothelial cells, epithelial cells and fibroblast; it is negative on erythrocytes.

**Immunogen:** T cell line HPB-ALL.

**Species Reactivity:** Human, Bovine

**Application:** Flow Cytometry  
Immunoprecipitation  
Western Blotting, non reducing conditions

**Purity:** > 95% (by SDS-PAGE)

**Purification:** Purified from ascites by protein-A affinity chromatography.

**Concentration:** 1 mg/ml

**Storage Buffer:** Tris buffered saline (TBS) with 15 mM sodium azide, approx. pH 8.0

**Storage / Stability:** Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

*Continued...*

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)

**Background:**

**CD46** (MCP, membrane cofactor protein) is a multifunctional cell surface transmembrane protein that binds and inactivates C3b and C4b complement fragments, regulates T cell-induced inflammatory responses by either inhibiting (CD46-1 isoform) or increasing (CD46-2 isoform) the contact hypersensitivity reaction. CD46 also serves as a receptor for several human pathogens (both bacteria and viruses), and its ligation alters T lymphocyte polarization toward antigen-presenting cells or target cells, inhibiting lymphocyte function. CD46 is a protector of placental tissue and is also expressed on the inner acrosomal membrane of spermatozoa.

**References:**

- \*Okada N, Liszewski MK, Atkinson JP, Caparon M: Membrane cofactor protein (CD46) is a keratinocyte receptor for the M protein of the group A streptococcus. *Proc Natl Acad Sci U S A*. 1995 Mar 28;92(7):2489-93.
- \*Marie JC, Astier AL, Rivailler P, Rabourdin-Combe C, Wild TF, Horvat B: Linking innate and acquired immunity: divergent role of CD46 cytoplasmic domains in T cell induced inflammation. *Nat Immunol*. 2002 Jul;3(7):659-66.
- \*Gaggar A, Shayakhmetov DM, Lieber A: CD46 is a cellular receptor for group B adenoviruses. *Nat Med*. 2003 Nov;9(11):1408-12.
- \*Liszewski MK, Kemper C, Price JD, Atkinson JP: Emerging roles and new functions of CD46. *Springer Semin Immunopathol*. 2005 Nov;27(3):345-58.
- \*Oliaro J, Pasam A, Waterhouse NJ, Browne KA, Ludford-Menting MJ, Trapani JA, Russell SM: Ligation of the cell surface receptor, CD46, alters T cell polarity and response to antigen presentation. *Proc Natl Acad Sci U S A*. 2006 Dec 5;103(49):18685-90.

**Laboratory Reagent For Research Use Only**