



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) 

Masavibart

Cat. No.:	HY-145642
CAS No.:	2640223-84-1
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Masavibart (ZRC3308-A7) is an anti-SARS-CoV-2 monoclonal antibody (IgG1 type). Masavibart shows good binding affinity to a non-competing epitope on the RBD of the SARS-CoV-2 spike protein. Masavibart can be used in combination with ZRC3308-B10 (HY-145643) at a ratio of 1:1, which is effective for the prevention of COVID-19 and the early stage of COVID-19 before the development of severe disease ^[1] .								
IC₅₀ & Target	SARS-CoV-2 ^[1] .								
In Vitro	<p>Masavibart (ZRC3308-A7; 0-5×10⁵ ng/mL) shows virus neutralizing ability in VeroE6/Vero CCL81 (SARS-CoV-2 infection model) cells, when in combination with ZRC3308-B10 (ratio 1:1)^[1].</p> <p>Masavibart neutralizes SARS-CoV-2 variants B.1.1.7, B.1.351, B.1.617.2, and B.1.617.2 AY.1 in vitro, when in combination with ZRC3308-B10 (ratio 1:1)^[1].</p> <p>Masavibart binds to the RBD of SARS-CoV-2 S1 protein^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>VeroE6/Vero CCL81 cells (SARS-CoV-2 infection model)</td> </tr> <tr> <td>Concentration:</td> <td>0-5×10⁵ ng/mL (in combination with ZRC3308-B10)</td> </tr> <tr> <td>Incubation Time:</td> <td>72 h</td> </tr> <tr> <td>Result:</td> <td>Showed potent neutralization activity with an IC₅₀ of 0.1527 ng/mL.</td> </tr> </table>	Cell Line:	VeroE6/Vero CCL81 cells (SARS-CoV-2 infection model)	Concentration:	0-5×10 ⁵ ng/mL (in combination with ZRC3308-B10)	Incubation Time:	72 h	Result:	Showed potent neutralization activity with an IC ₅₀ of 0.1527 ng/mL.
Cell Line:	VeroE6/Vero CCL81 cells (SARS-CoV-2 infection model)								
Concentration:	0-5×10 ⁵ ng/mL (in combination with ZRC3308-B10)								
Incubation Time:	72 h								
Result:	Showed potent neutralization activity with an IC ₅₀ of 0.1527 ng/mL.								
In Vivo	<p>Masavibart (ZRC3308-A7; 0.5, 2.5, 25 mg/kg; 48 h prior to the SARS-CoV-2 infection) effectively prevents SARS-CoV-2 infection in syrian hamster, when in combination with ZRC3308-B10 (ratio 1:1)^[1].</p> <p>Masavibart (0.5, 2.5, 25 mg/kg; i.p.; single) shows the serum levels remains constant without much reduction for up to 7 days, in syrian hamster^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Female syrian hamster (7 to 10-week-old; SARS-CoV-2 infection model)^[1].</td> </tr> <tr> <td>Dosage:</td> <td>0.5, 2.5, 25 mg/kg</td> </tr> </table>	Animal Model:	Female syrian hamster (7 to 10-week-old; SARS-CoV-2 infection model) ^[1] .	Dosage:	0.5, 2.5, 25 mg/kg				
Animal Model:	Female syrian hamster (7 to 10-week-old; SARS-CoV-2 infection model) ^[1] .								
Dosage:	0.5, 2.5, 25 mg/kg								

Administration:	Intraperitoneal injection; 48 h prior to the SARS-CoV-2 infection
Result:	Prevented SARS-CoV-2 infection when in combination with ZRC3308-B10.

REFERENCES

[1]. Yadav PD, et al. ZRC3308 Monoclonal Antibody Cocktail Shows Protective Efficacy in Syrian Hamsters against SARS-CoV-2 Infection. *Viruses*. 2021 Dec 3;13(12):2424.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA