



# SZABO SCANDIC

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- Gefahrgutzuschlag
- Expressversand

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## Olendalizumab

Cat. No.:	HY-P99767
CAS No.:	2210314-30-8
Target:	Complement System
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Olendalizumab (ALXN1007) is a mouse-derived and humanized IgG2-G4- $\kappa$ antibody, targeting to Complement protein C5a ( $K_i = 60$ pM). Olendalizumab targets the complement inflammatory pathway. Moreover, Olendalizumab can be used for research of complement mediated disorder caused by corona virus <sup>[1][2]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Complement protein C5a <sup>[1]</sup>
<b>In Vitro</b>	<p>Olendalizumab can be used as an biotinylated capture reagent, with working concentration of 100 <math>\mu</math>g/mL in Bioaffy wash 1, while the AlexaFluor labeled anti-C5a clone 2942 is 4 <math>\mu</math>g/mL in Rexxip F<sup>[1]</sup>.</p> <p>The members of the complement system such as C3, C5a, C5b-9, including receptors such as C3aR and C5aR mediate the lung injury following viral infection. Moreover, C5/C5a is only non-silent complement in corona virus-induced lung injury. Olendalizumab is the potent C5a inhibitor<sup>[2]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. Dysinger M, et al. A Gyrolab Assay for the Quantitation of Free Complement Protein C5a in Human Plasma. AAPS J. 2018 Oct 2;20(6):106.

[2]. Annane D, et al. Methods for treating a complement mediated disorder caused by viruses. World Intellectual Property Organization, WO2021211940 A1. 2021-10-21.

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

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