



# 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) 

## Cergutuzumab amunaleukin

Cat. No.:	HY-P99498
CAS No.:	1509916-03-3
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Cergutuzumab amunaleukin (CEA-IL2v) is a monomeric carcinoembryonic antigen (CEA)-targeted IL-2 variant-based immunocytokine. Cergutuzumab amunaleukin has immunostimulating and antineoplastic activities <sup>[1]</sup> .
<b>In Vitro</b>	Cergutuzumab amunaleukin comprises a single IL-2 variant (IL2v) moiety with abolished CD25 binding, fused to the C-terminus of a high affinity, bivalent CEA-specific antibody devoid of Fc-mediated effector functions. Its molecular design aims to avoid preferential activation of regulatory T-cells vs. immune effector cells by removing CD25 binding <sup>[1]</sup> . The activation of NK cells by Cergutuzumab amunaleukin (CEA-IL2v; 0.001-1000 nM) translated into increased killing of the CEA-positive colon cancer cell line LS180 accompanied by increased release of Granzyme B, IFN $\gamma$ and RANTES and upregulation of CD25 and CD69 on NK cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	In tumor-free mice, a strong expansion of peripheral CD <sup>8+</sup> T and NK cells after treatment with 0.5 and 2 mg/kg Cergutuzumab amunaleukin (CEA-IL2v; i.v.; once) is observed <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Christian Klein, et al. Cergutuzumab amunaleukin (CEA-IL2v), a CEA-targeted IL-2 variant-based immunocytokine for combination cancer immunotherapy: Overcoming limitations of aldesleukin and conventional IL-2-based immunocytokines. *Oncoimmunology*. 2017 Jan 11;6(3):e1277306.

**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