

## Narsoplimab

Cat. No.:	HY-P99376
CAS No.:	2108782-45-0
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Narsoplimab (OMS 721) is a high-affinity fully human immunoglobulin gamma 4 (IgG4) monoclonal antibody that binds MASP-2 and blocks lectin pathway activation. Narsoplimab can be used in research of hematopoietic stem-cell transplantation and SARS-CoV-2 <sup>[1]</sup> .								
<b>In Vitro</b>	Narsoplimab (100 nM; 3 h; Vero E6 cells and Vero E6 cells with SARS-CoV-2) inhibits the N protein potentiated MASP-2 deposition <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
<b>In Vivo</b>	Narsoplimab (10 mg/kg; i.v.; WT and Masp2 <sup>-/-</sup> (KO) mice) decreases percentage of lymphocytes (Lym%) and increases percentage of neutrophils (Neu%) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
	<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">Animal Model:</td> <td>WT and Masp2<sup>-/-</sup> (KO) mice (C57BL/6N, female, 12-15 weeks old)<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>10 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intravenous injection</td> </tr> <tr> <td>Result:</td> <td>Decreased percentage of lymphocytes (Lym%) and an increased percentage of neutrophils (Neu%).</td> </tr> </table>	Animal Model:	WT and Masp2 <sup>-/-</sup> (KO) mice (C57BL/6N, female, 12-15 weeks old) <sup>[1]</sup>	Dosage:	10 mg/kg	Administration:	Intravenous injection	Result:	Decreased percentage of lymphocytes (Lym%) and an increased percentage of neutrophils (Neu%).
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### REFERENCES

[1]. Gao T, et, al. Highly pathogenic coronavirus N protein aggravates inflammation by MASP-2-mediated lectin complement pathway overactivation. Signal Transduct Target Ther. 2022 Sep 14;7(1):318.

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

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