

## Amubarvimab

Cat. No.:	HY-P99435
CAS No.:	2509447-07-6
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>	Amubarvimab (BRII-196) is a human IgG1 mAb that bind to non-competing epitopes on the receptor binding domain (RBD) of spike protein, with a $K_D$ of 5.88 nM. Amubarvimab can effectively neutralize SARS-CoV-2 variants <sup>[1][2]</sup> .
<b>In Vitro</b>	Amubarvimab shows specific activity against wild-type SARS-CoV-2 and no cross-reactivity against other coronaviruses <sup>[1]</sup> . Amubarvimab binds to two regions spanning amino acids 453-505 in the receptor-binding motif (RBM) and amino acids residues 403-421 in the core region of RBD <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Amubarvimab (10-50 mg/kg; i.p.) in combination with romlusevimab significantly decreases viral load in the lungs, and reduces lung pathology in a Syrian golden hamster model of SARS-CoV-2 infection <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ji Y, et, al. Preclinical characterization of amubarvimab and romlusevimab, a pair of non-competing neutralizing monoclonal antibody cocktail, against SARS-CoV-2. Front Immunol. 2022 Sep 14;13:980435.

[2]. Hoy SM. Amubarvimab/Romlusevimab: First Approval. Drug. 2022 Aug;82(12):1327-1331.

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

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