

Human anti-SARS-CoV-2 COVID 19 Spike (CR3022) Coronavirus Monoclonal Antibody | anti-COVID-19 antibody

Anti-SARS-CoV-2 Spike mAb (CR3022)

CATALOG # AAA227188	HOST Human	REACTIVITY SARS-CoV-2
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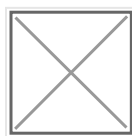
PRODUCT SYNONYMS

COVID 19 Spike (CR3022) Coronavirus; Monoclonal Antibody; Anti-SARS-CoV-2 Spike mAb (CR3022); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; S1P1 agonist 3; anti-COVID-19 antibody

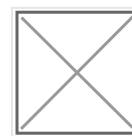
PRODUCT SPECIFICATIONS

Host	Human
Reactivity	SARS-CoV-2
Clonality	Monoclonal
Purity/Purification	98%
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	CR3022 recognizes a cryptic epitope that is only accessible when S protein is in open" conformations[1]. CR3022 binds more tightly to SARS-CoV because its epitope contains a glycan not present in SARS-CoV-2[2].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
SAR247799, CAS 1315311-14-8



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ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	Anti-SARS-CoV-2 Spike mAb (CR3022) is a CHO cell derived human monoclonal IgG1 antibody. It binds to both S1 domain of SARS-CoV/SARS-CoV-2 Spike protein.
References	1. Poirier B, et al. A G protein-biased S1P1 agonist, SAR247799, protects endothelial cells without affecting lymphocyte numbers. Sci Signal. 2020 Jun 2;13(634):eaax8050. 2. Evaristi MF, et al. A G-protein-biased S1P1 agonist, SAR247799, improved LVH and diastolic function in a rat model of metabolic syndrome. PLoS One. 2022 Jan 14;17(1):e0257929. 3. Bergougnan L, et al. Endothelial-protective effects of a G-protein-biased sphingosine-1 phosphate receptor-1 agonist, SAR247799, in type-2 diabetes rats and a randomized placebo-controlled patient trial. Br J Clin Pharmacol. 2021 May;87(5):2303-2320. 4. Bergougnan L, et al. First-in-human study of the safety, tolerability, pharmacokinetics and pharmacodynamics of single and multiple oral doses of SAR247799, a selective G-protein-biased sphingosine-1 phosphate receptor-1 agonist for endothelial protection. Br J Clin Pharmacol. 2021 Feb;87(2):598-611.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/covid-19-spike-cr3022-coronavirus-antibody-elisa/227188>