
Product Data Sheet

Product Name: Anti-SARS-CoV-2 Spike mAb (CR3022)

Cat. No.: GC60055

Chemical Properties

Cas. No.

SMILES [Anti-SARS-CoV-2 Spike mAb (CR3022)]

Formula M.Wt

Solubility Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Anti-SARS-CoV-2 Spike mAb (CR3022) is a a CHO cell derived human monoclonal IgG1 antibody. It binds to both S1 domain of SARS-CoV/SARS-CoV-2 Spike protein[1][2].

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].

[1]. Yanling Wu, et al. Identification of Human Single-Domain Antibodies Against SARS-CoV-2. Cell Host Microbe. 2020 Jun 10;27(6):891-898.e5. [2]. Meng Yuan, et al. A Highly Conserved Cryptic Epitope in the Receptor Binding Domains of SARS-CoV-2 and SARS-CoV. Science. 2020 May 8;368(6491):630-633.

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

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