BOSTER BIOLOGICAL TECHNOLOGY
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Anti-SARS-CoV-2 ORF3a Antibody

Catalog Number: A33994

About 3a

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ ORF3a encodes a viral accessory protein. Based on its similarity to other coronavirus proteins, ORF3a protein is thought to be a protein with ion channel activity (viroporin) that activates the NLRP3 inflammasome. ORF3a may also play a role in virus replication and pathogenesis.

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Overview

Product Name	Anti-SARS-CoV-2 ORF3a Antibody
Reactive Species	Human
Description	Boster Bio Anti-SARS-CoV-2 ORF3a Antibody catalog # A33994. Tested in ELISA applications. This antibody reacts with Human.
Application	ELISA
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P0DTC3

Technical Details

Immunogen	MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASggggFQSASKIITLKKRWQLALSKGVHFVC NLggggQSINFVRIIMRLWLCWKCRSKNPLLYDANYFLCWHTNCYDYCIPYNSVTSSIVITSGDGTTSPI SEHDYQIGGYTEKWESGVKDCVVLHSYFTSDYYQLYSTQLSTDTGVEHVTFFIYNKIVDEPEEHVQIH TIDGSSGVVNPVMEPIYDEPTTTTSVPL

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Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	ELISA, 0.001-0.1ug/ml, Human

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For Research Use Only. Not for use in diagnostic procedures.