

Product datasheet

Anti-SARS-CoV-2 Spike Glycoprotein S1 antibody [CR3022] ab278112

Recombinant

1 References

Overview

Product name	Anti-SARS-CoV-2 Spike Glycoprotein S1 antibody [CR3022]
Description	Human monoclonal [CR3022] to SARS-CoV-2 Spike Glycoprotein S1
Host species	Human
Specificity	<p>This antibody binds the amino acids 318-510 in the S1 domain of the SARS-CoV Spike protein as well as SARS-CoV-2 (COVID-19) Spike protein. The antibody also binds to P462L-substituted S318–510 fragments of the SARS spike protein. The binding epitope is only accessible in the "open" conformation of the spike protein (Joyce et al. 2020).</p> <p>Reacts with: SARS-CoV, SARS-CoV-2</p>
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with: SARS-CoV, SARS-CoV-2
Immunogen	Tissue, cells or virus corresponding to Human coronavirus SARS-CoV-2 Spike Glycoprotein S1. The original monoclonal antibody was generated by sequencing peripheral blood lymphocytes of a patient exposed to the SARS-CoV.
General notes	<p>This reformatted human antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.</p> <p>This antibody does not have a J-chain.</p> <p>ab278112 was developed to have a human IgA isotype. Other isotypes of clone CR3022 available: <u>ab278111</u> – human IgM <u>ab273073</u> – human IgG1 <u>ab273074</u> – rabbit IgG <u>ab273886</u> – rat IgG2a</p>

Properties

Form Liquid

Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Proclin 300 Constituent: 99.98% PBS
Carrier free	Yes
Purity	Affinity purified
Purification notes	Affinity Purified using a recombinant lectin column.
Clonality	Monoclonal
Clone number	CR3022
Isotype	IgA
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab278112 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.

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