



## Datasheet

### OVERVIEW AND PROPERTIES

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<b>Product Name</b>	PtX™ Human Anti-SARS-CoV-2 Spike RBD (CR3022) Recombinant Antibody
<b>Catalogue Number</b>	CBT_A0006
<b>Expression Host</b>	<i>Nicotiana benthamiana</i> plants
<b>Clonality</b>	Monoclonal, recombinant.
<b>Species and Isotype</b>	CR3022 variable regions fused to human IgG1: Heavy chain CR3022 (GenBank: DQ168569.1) – Human Heavy chain IgG1 (UniProtKB/ Swiss-Prot: P01857.1); Light chain CR3022 (GenBank: DQ168570.1) – Human Kappa chain (UniProtKB/Swiss-Prot: P01834.2)
<b>Tag</b>	Human IgG1 Fc Tag
<b>Reporter Protein</b>	None
<b>Description</b>	This product is a recombinant Human antibody targeted to the SARS-CoV-2 RBD domain of the Spike protein. It was produced in <i>Nicotiana benthamiana</i> plants via <i>Agrobacterium tumefaciens</i> mediated infiltration.
<b>Target Name</b>	SARS-CoV-2 Receptor Binding Domain (RBD)
<b>Target Sequence</b>	N/A
<b>Verified Applications</b>	Western blot ELISA
<b>Concentration</b>	1.0 mg/ml
<b>Form</b>	Liquid
<b>Colour</b>	Clear to light yellow/brown
<b>Preparation</b>	Ready to use
<b>Storage</b>	Short-term (up to one week): 2 – 8 °C Long term: Aliquot and store at – 20 °C Store immediately. Aliquot and avoid multiple freeze-thaw cycles.
<b>Storage Buffer</b>	0.1 M Phosphate Buffered Saline, pH 7.4 Preservative: None
<b>Purification Notes</b>	This product was purified using Protein A affinity chromatography.
<b>Purity</b>	≥ 85 % as determined by SDS-PAGE 99.30% as determine by Mass Spectrometry
<b>General notes</b>	If for any reason the product does not perform as specified, please contact our scientific support team for assistance by emailing <a href="mailto:sales@capebiologix.com">sales@capebiologix.com</a> .

#### **Cape Biologix Technologies (Pty) Ltd.**

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