

QCO-002-T02 V0

## Datasheet

### OVERVIEW AND PROPERTIES

<b>Product Name</b>	PtX™ Human Anti-CD20 (1F5) Recombinant Antibody
<b>Catalogue Number</b>	CBT_A0030
<b>Expression Host</b>	<i>Nicotiana benthamiana</i> plants
<b>Clonality</b>	Monoclonal, recombinant
<b>Species and Isotype</b>	Human IgG1
<b>Tag</b>	None
<b>Reporter Protein</b>	None
<b>Description</b>	This product is a full-length Human IgG1 recombinant antibody specific to the human B-lymphocyte antigen CD20. It was produced in <i>Nicotiana benthamiana</i> plants via <i>Agrobacterium tumefaciens</i> mediated infiltration.
<b>Target Name</b>	CD20
<b>Verified Applications</b>	ELISA
<b>Dilution Range</b>	ELISA (1: 250 -1: 96 000)
<b>Tested Species Reactivity</b>	Human
<b>Concentration</b>	1.0 mg/ml
<b>Form</b>	Liquid
<b>Colour</b>	Clear to light yellow
<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>	≥ 95 % as determined by SDS-PAGE
<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.**

Address: Unit 3, The Powder Mill, 5 Sunrise Circle,  
Ndabeni, Cape Town, South Africa, 7405

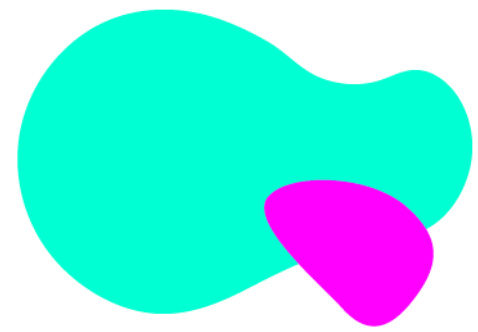
Directors: Belinda Shaw.

Company Registration: 2020/185821/07

VAT number: 4170291449

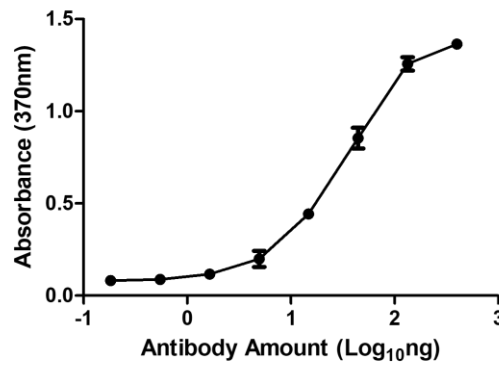
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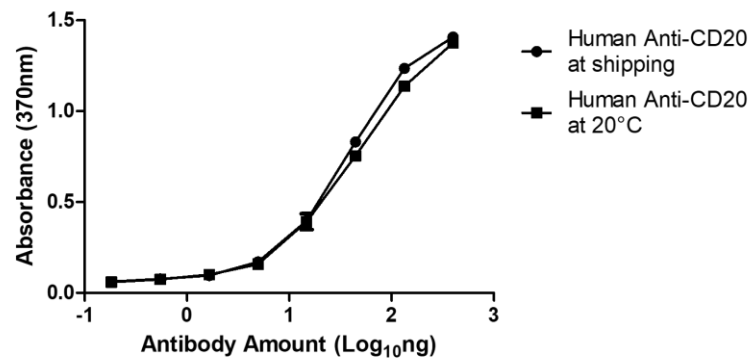
IMAGES

PtX™ Human Anti-CD20 (1F5) ELISA Dose Response



**Figure 1.** ELISA Dose Response curve using PtX™ Human Anti-CD20 (1F5) to detect coated CD20 antigen at 1 ng/μl and increasing concentrations of antibody. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

PtX™ Human Anti-CD20 (1F5) ELISA Dose Response  
(2 Weeks Shipping Stability)



**Figure 2.** ELISA Dose Response curve using PtX™ Human Anti-CD20 to detect coated CD20 stored at -20°C and shipping conditions for two weeks. At shipping the product is placed under conditions that simulate real time shipping conditions. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

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