

TECHNICAL DATA SHEET

PRODUCT NAME: Supernatant of human chimeric IgG anti-RBD SARS-COV-2 clone X30F12

Background: After immunization with RBD antigen of GammaPrim® mouse, a transgenic mouse whose sequence for the Ig heavy chain constant region is replaced by a human IgG sequence, a hybridoma cell line has been established.

STORAGE: Between + 2°C and + 8 °C

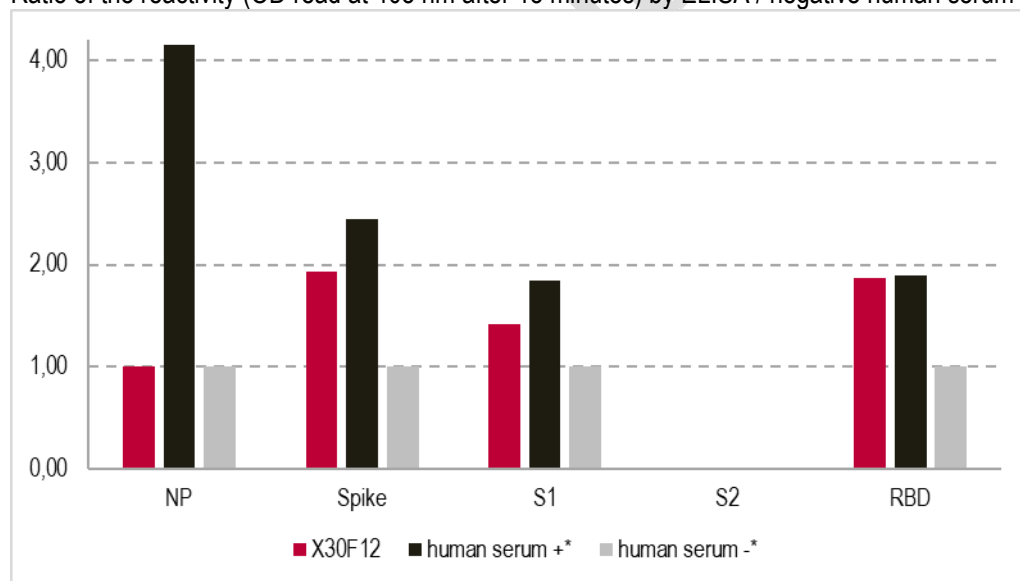
SHELF-LIFE: Two years from manufacturing day

SPECIFICITY: SARS-CoV-2 Spike S1 RBD

Reactivity tested by ArkAb

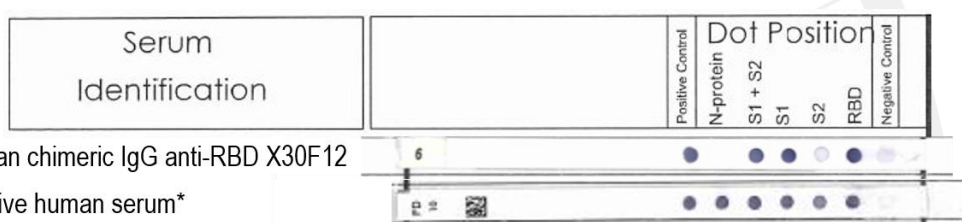
With ArkAb in-house ELISA vs positive human serum*

Ratio of the reactivity (OD read at 405 nm after 15 minutes) by ELISA / negative human serum*



* Human sera confirmed positive + or negative - by validated assays (Nucleocapsid IgG+ Spike IgG)

With d-tek Covidot 5IgG vs positive human serum*



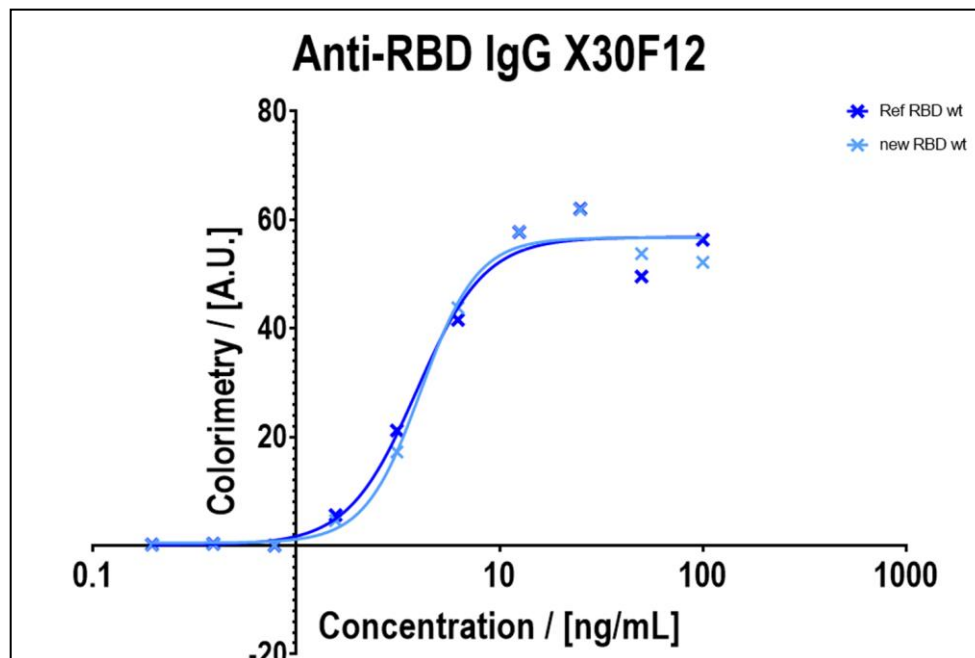
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Reactivity tested by other IVD manufacturers

CoViDiag (Innobiochips)	Ref RBD wild-type	New RBD wild type
IC 50	3.90 ng/mL	4.11 ng/mL



Ig	Immunogen	Clone	Bead based fluorescent multiplex test					D-tek Immunoblot Blue diver					CLIA results (spike + NP)	
			NP	Spike	S1	S2	RBD	NP	S (S1+S2)	S1	S2	RBD		Other coronavirus
IgG	RBD	X30F12	neg	Pos	Pos	ND	Pos	neg	Pos	Pos	neg	Pos	neg	Pos

ND=Not Determined

Ig	Immunogen	Clone	Innobiochips CoviDiag				
			NP	S1	S2	RBD	NTD
IgG	RBD	X30F12	neg	Pos	neg	Pos	neg

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SAFETY STATEMENT: not infectious - biological product from *in vitro* production

For research or further manufacturing use only . Not for use in diagnostics procedures.