

**TECHNICAL DATA SHEET**

**PRODUCT NAME:** Supernatant of human chimeric IgA anti-Spike-1 RBD clone IB3C4C8

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

**STORAGE:** Between + 2°C and + 8 °C

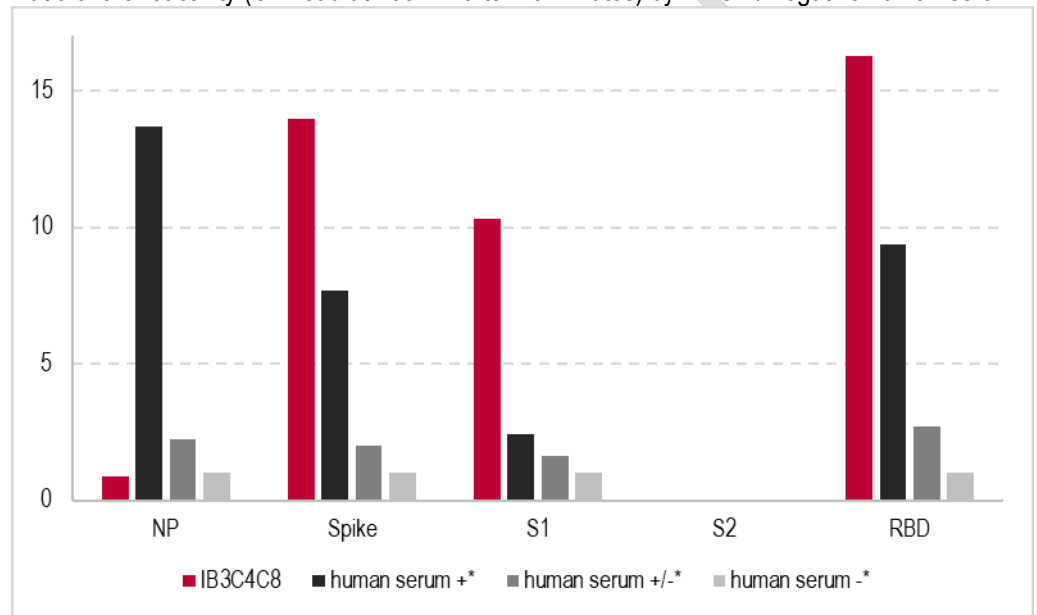
**SHELF-LIFE:** Two years from manufacturing day

**SPECIFICITY:** SARS-CoV-2 Spike S1 RBD

**Reactivity tested by ArkAb**

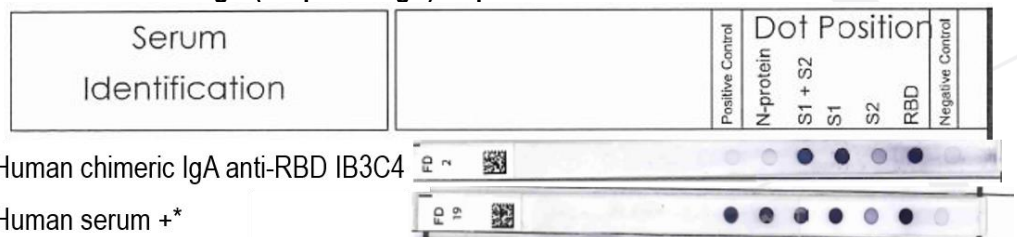
**With ArkAb in-house ELISA vs positive human serum\***

Ratio of the reactivity (OD read at 405 nm after 20 minutes) by ELISA / negative human serum\*



\* Human sera confirmed positive +, medium +/- or negative - by validated assays (Nucleocapsid IgA+ Spike IgA)

**With d-tek Covidot 5IgG (adapted in IgA) vs positive human serum\* :**



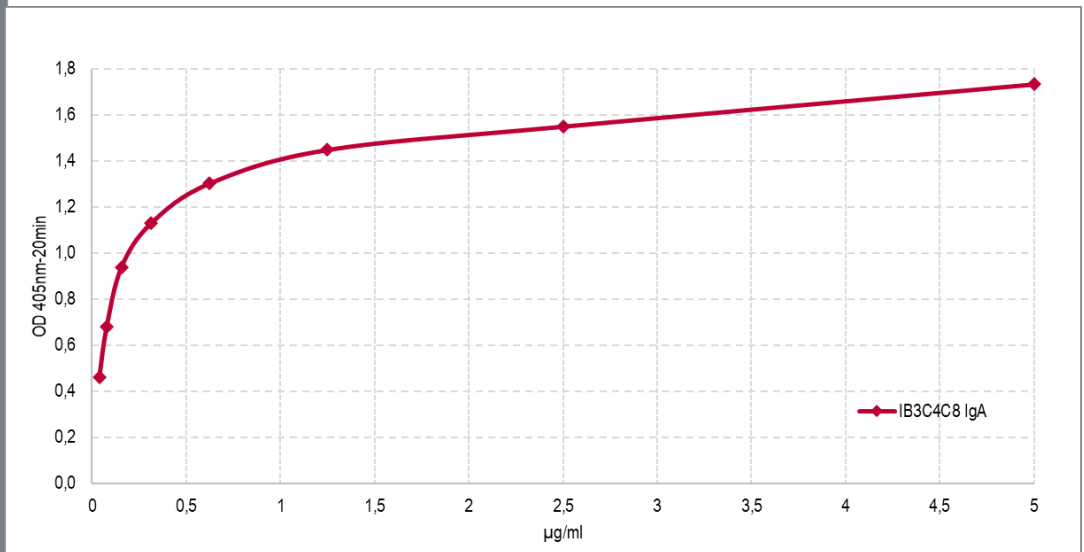
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**Sensitivity curve**

Reactivity tested by ELISA with Nucleocapsid Protein coated at 1 µg/ml or 100 ng/well on immunoassay plates



**Reactivity tested by other IVD manufacturers**

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
IgA	RBD	IB3C4	neg	Pos	Pos	ND	Pos	neg	Pos	Pos	neg	Pos	neg	positive

ND= not determined

Ig	Immunogen	Clone	InnoBioChips CoViDiag				
			NP	S1	S2	RBD	NTD
IgA	RBD	IB3C4	neg	Pos	neg	Pos	neg

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

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

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