

TECHNICAL DATA SHEET

PRODUCT NAME: Supernatant of human chimeric IgA anti-Nucleocapsid SARS-COV-2 clone Z14A4

Background: After immunization with Nucleocapsid 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

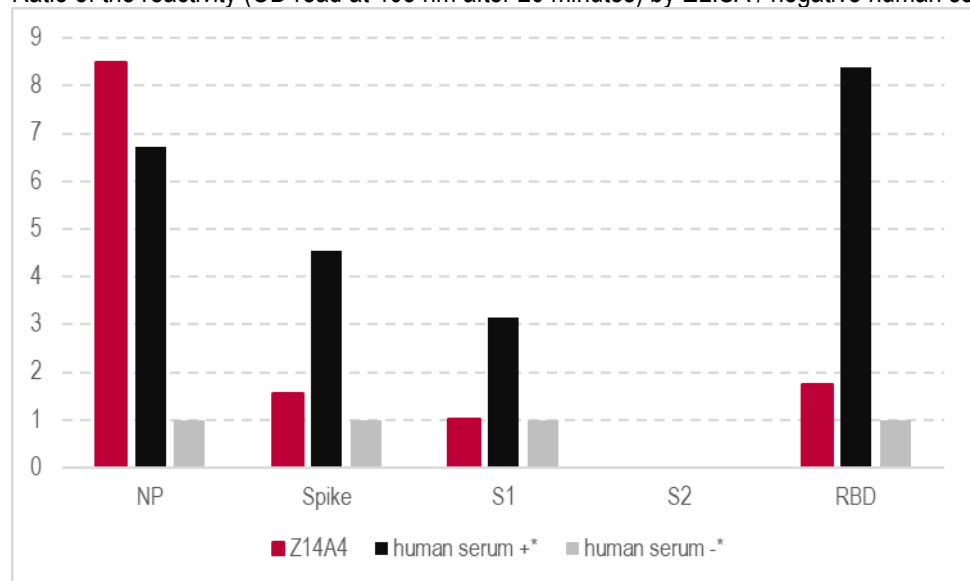
SHELF-LIFE: Two years from manufacturing day

SPECIFICITY: SARS-CoV-2 Nucleocapsid

Reactivity tested by ArkAb

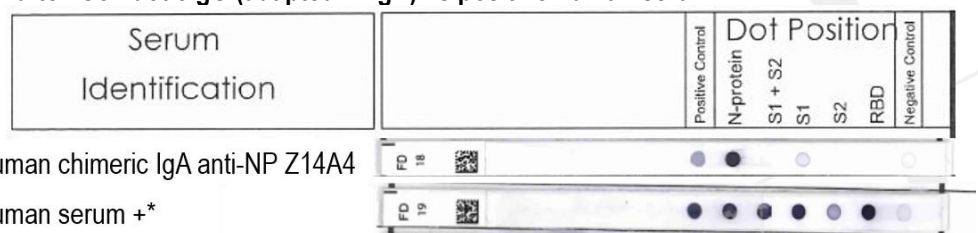
With ArkAb in-house ELISA vs positive human serum*

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



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

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



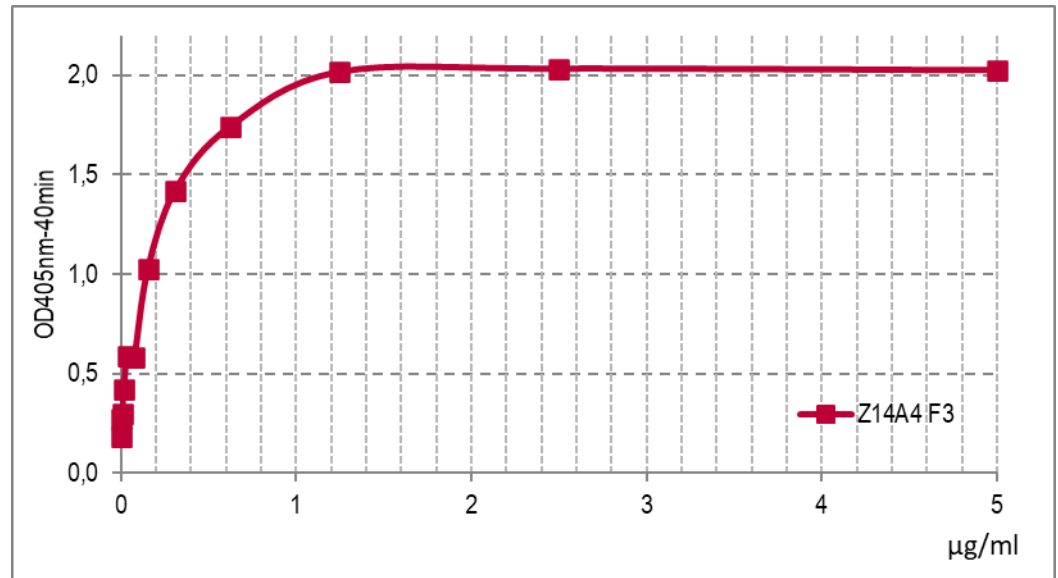
ArkAb

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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	D-tek Immunoblot Blue diver					
			NP	S (S1+S2)	S1	S2	RBD	Other coronavirus
IgA	Nucleocapsid	Z14A4	Pos	neg	neg	neg	neg	SARS (pos) , 229E (pos)

Ig	Immunogen	Clone	ELISA results (beads) Cut-off = 10000				
			NP	SPIKE	S1	S2	RBD
IgA	Nucleocapsid	Z14A4	Pos	neg	neg	ND	ND

ND= not determined

Ig	Immunogen	Clone	InnoBioChips CoViDiag				
			NP	S1	S2	RBD	NTD
IgA	Nucleocapsid	Z14A4	Pos	neg	neg	neg	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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