

TECHNICAL DATA SHEET

PRODUCT NAME: Supernatant of human chimeric IgA anti-Spike clone R12B6

Background: After immunization with Spike 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

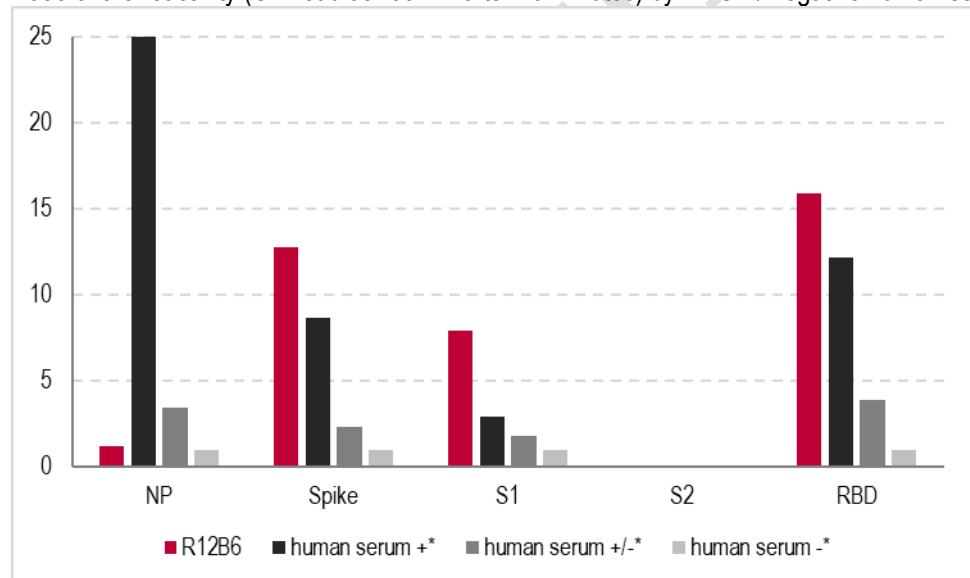
SHELF-LIFE: Two years from manufacturing day

SPECIFICITY: SARS-CoV-2 Spike-1 RBD

Reactivity tested by ArkAb

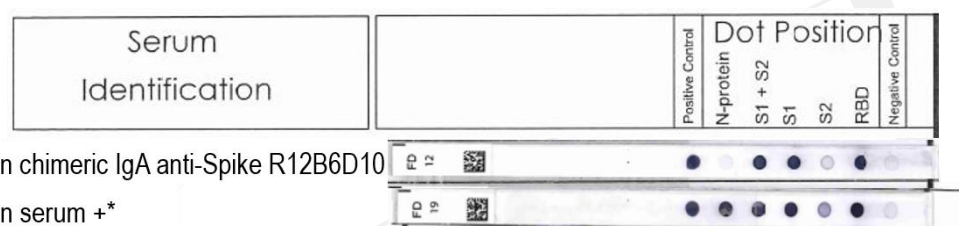
With ArkAb in-house ELISA vs positive human serum*

Ratio of the reactivity (OD read at 405 nm after 40 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* :



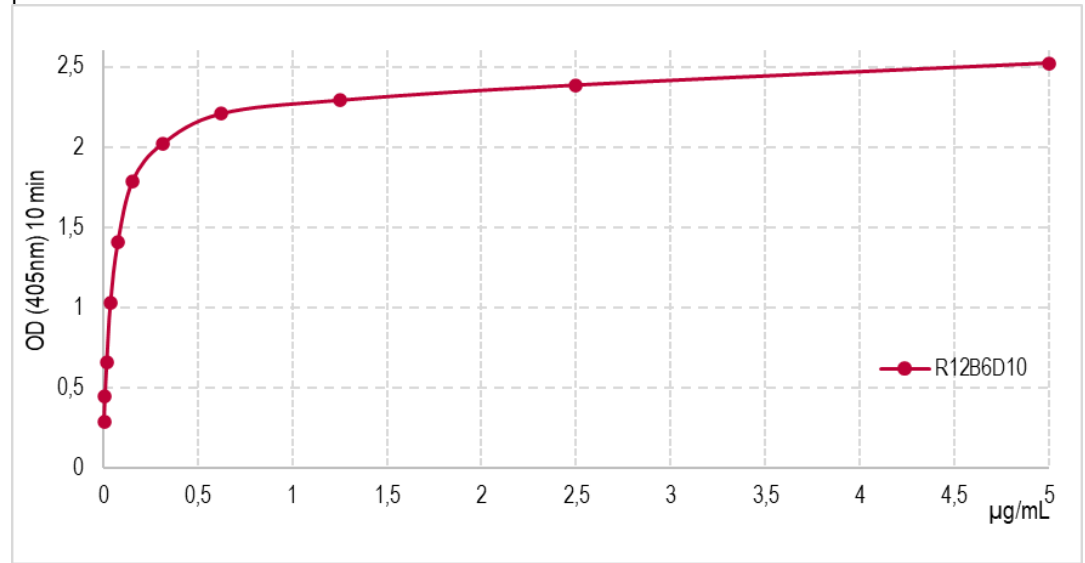
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Sensitivity curve

Reactivity tested by ELISA with Spike 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	Spike	R12B6	neg	Pos	Pos	neg	Pos	neg

Ig	Immunogen	Clone	Innobiochips CoviDiag				
			NP	S1	S2	RBD	NTD
IgA	Spike	R12B6	neg	Pos	neg	Pos	neg

Ig	Immunogen	Clone	CLIA results (spike + NP)
IgA	Spike	R12B6D10	Positive

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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