

INNOVATIONS IN COVID-19

Bridging opportunities
at Oswaldo Cruz Institute

MAPPING OF LINEAR ANTIBODY EPITOPES IN COVID-19 INFECTION (COD. 2020.035)

COORDINATOR

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RESEARCH AREA

Prevention and Contagion Reduction

DEVELOPMENT STAGE

Level 7 - TRL - System prototype demonstration in na operational environment.
MRL - Capability to produce systems, subsystems or components in a production representative environment.

PROPOSITION / APPLICATION

The development of this line of research aims at investigating the presence of linear B lymphocyte epitopes from proteins expressed in COVID-19 (among the 120 available SARS-CoV-2 sequences), characterized as vaccine targets.

INNOVATION

The presence of linear immunodominant peptide epitopes will be verified from the sera of asymptomatic infected patients for the vaccine induction of protective antibodies.

OPPORTUNITY

Providing a useful set of selected epitopes for guiding experimental efforts to develop vaccines against SARS-CoV-2.

CONTACT

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