SARS-CoV-2 Spike Glycoprotein RBD Antibody Pair

Catalogue No.:abx243136

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) Spike Glycoprotein Receptor-Binding Domain Protein Antibody Pair is an antibody pair for the detection of SARS-CoV-2/COVID-19 S RBD Protein. This antibody pair contains a recombinant Llama with Human IgG1 Fc capture antibody and a recombinant Mouse with Human IgG1 Fc detection antibody.

The SARS-CoV-2 Spike Protein (S protein) is a viral protein that allows the entry of SARS-CoV-2 into human cells. The protein forms trimers on the viral capsid and binds to human Angiotensin Converting Enzyme 2 (ACE2) located on the cell surface. The protein has a cleavage site between the S1 and S2 subunits that is targeted by the human enzyme Furin, and it may also cause the development of a syncytium (cell fusion). Antibodies to S protein can prevent viral entry as well as target the virus for further immune action.

Target:	SARS-CoV-2 Spike Glycoprotein
Research Area:	Infection Immunity
Reactivity:	Virus
Tested Applications:	ELISA
Recommended dilutions:	Sandwich ELISA: Capture Antibody 1 µg/ml, Detection Antibody 0.42 µg/ml. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant SARS-CoV-2 S protein.
Form:	Liquid
Buffer:	Both capture and detection antibodies contain: 0.01 M PBS, pH 7.4.
Assay Type:	Sandwich
Capture Antibody Host:	Human
Detection Antibody Host:	Human
Capture Antibody Clonality:	Monoclonal
Detection Antibody Clonality:	Monoclonal
Capture Antibody Isotype:	IgG1
Detection Antibody Isotype:	IgG1
Capture Antibody Conjugation:	Unconjugated

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Detection Antibody Conjugation: HRP

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com