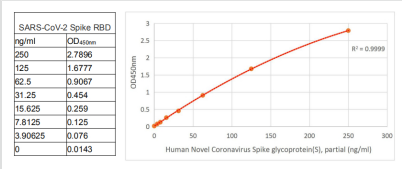
SARS-CoV-2 Spike RBD Antibody Pair 1

Product Code	CSB-EAP33245
Uniprot No.	P0DTC2
Immunogen	Llama with human IgG1 Fc
Species Reactivity	Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)
Tested Applications	S-ELISA
Form	Liquid
Product Type	Antibody Pairs
Immunogen Species	Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)
Protein Names	Human Novel Coronavirus Spike glycoprotein (S)
Notes	We recommend using the capture antibody at a concentration of 1ug/ml and the detection antibody at a concentration of 0.42ug/ml.Optimal dilutions should be determined experimentally by the researcher.

Image



SARS-CoV-2 Spike RBD	
ng/ml	OD450nm
250	2.7896
125	1.6777
62.5	0.9067
31.25	0.454
15.625	0.259
7.8125	0.125
3.90625	0.076
0	0.0143

CSB-EAP33245 is a solid phase sandwich Enzyme Linked-Immuno-Sorbent Assay (Sandwich ELISA). An antibody specific for SARS-CoV-2 Spike RBD has been pre-coated onto the microwells. The SARS-CoV-2 Spike RBD protein in samples is captured by the coated antibody after incubation. Following extensive washing, another antibody HRP conjugated specific for SARS-CoV-2 Spike RBD is added to detect the captured SARS-CoV-2 Spike RBD protein. Followed by Tetramethyl-benzidine (TMB) reagent. Solution containing sulfuric acid is used to stop color development and the color intensity which is proportional to the quantity of bound protein is measurable at 450nm.

Host	Capture: Llama with human IgG1 Fc Detection: Mouse with human IgG1 Fc
Components	Capture: CSB-EAP33245C Detection: CSB-EAP33245B(HRP) Reagents are sufficient for at least 5 x 96 well plates using recommended protocol.
Storage-Buffer	Capture: 50% Glycerol, 0.01M PBS, PH 7.4 Detection: 50% Glycerol, 0.01M PBS, PH 7.4