

SARS-CoV-2 Spike RBD Antibody

CAB20135

Description

This SARS-CoV-2 Spike RBD Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB20135
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	spike glycoprotein, SARS-CoV-2 Spike RBD
Clone:	-
Applications:	WB IF/ICC IP ELISA
Conjugation:	-
Reactivity:	SARS-CoV-2

Antibody Data

Gene ID:	43740568
Uniprot:	AB_2862927
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	30kDa
Calculated MW:	141kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

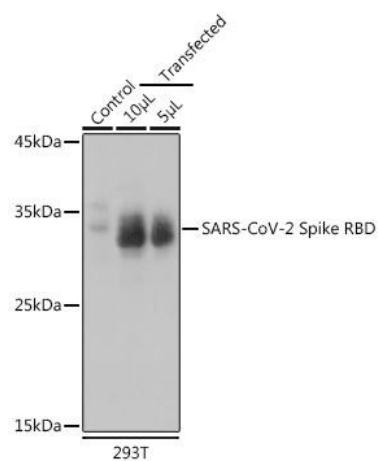
Positive Sample: 293T

Recommended Dilutions:

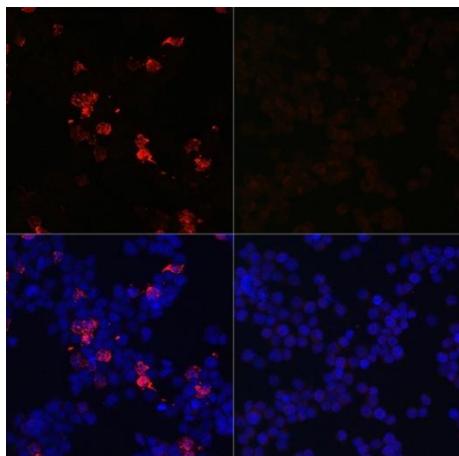
WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	1:50000-1:200000

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

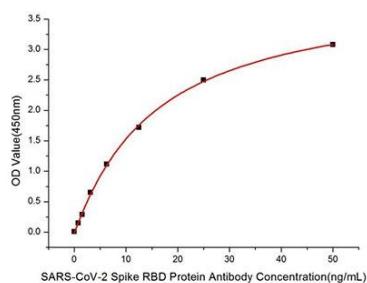
Validation Data



Western blot analysis of extracts of normal 293T cells and 293T transfected with Spike RBD Protein, using SARS-CoV-2 Spike RBD Rabbit pAb (CAB20135) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 5s.



Immunofluorescence analysis of 293T-RBD and 293T cells using SARS-CoV-2 Spike RBD Rabbit pAb (CAB20135) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immobilized Recombinant SARS-CoV-2 Spike RBD Protein (RP01278LQ) at 1 μ g/mL (100 μ L/well) can bind SARS-CoV-2 Spike RBD Rabbit pAb (CAB20135) with a linear range of 0.78-50ng/mL.