SARS-CoV-2 3CLpro Antibody

CAB20198

Description

This SARS-CoV-2 3CLpro 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:	CAB20198
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	-
Clone:	-
Applications:	WB IF/ICC ELISA
Conjugation:	-
Reactivity:	SARS-CoV-2

Antibody Data

Gene ID:	43740578
Uniprot:	-
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	30-35kDa
Calculated MW:	141kDa

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Preparation & Storage

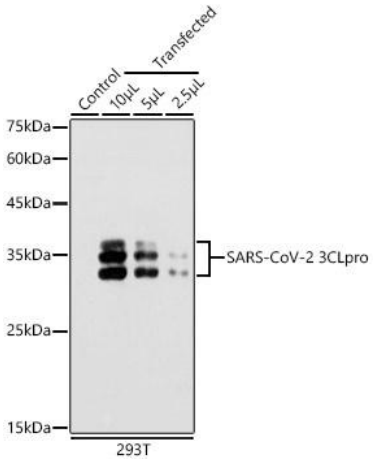
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. Store Bradford Reagent at Room Temperature for 1 Year.
Positive Sample:	293T

Recommended Dilutions:

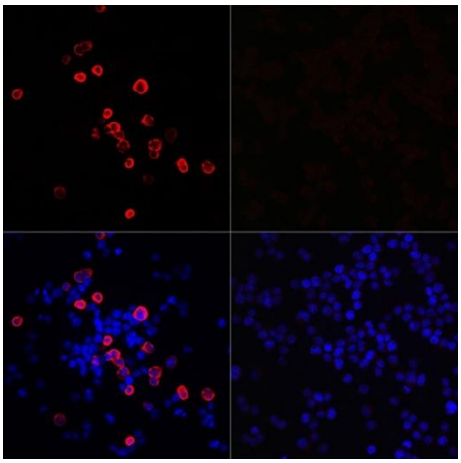
WB	1:2000 - 1:6000
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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 lysates from 293T cells, using SARS-CoV-2 3CLpro Rabbit pAb (CAB20198) at 1:5000 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: 180s.



Immunofluorescence analysis of 293T cells transfected with SARS-CoV-2 3CLpro fusion protein (top left) and untreated 293T cells (top right) use SARS-CoV-2 3CLpro Rabbit pAb (CAB20198) 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.