SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0370-100	300 µg

Anti-Spike RBD Domain (SARS-CoV-2)

Source: Goat

General description: The spike or S glycoprotein is a transmembrane protein with a molecular weight of about 150 kDa found in the outer portion of the SARS-CoV-2 virus. This protein is composed of two subunits, S1 and S2 and plays a key role in the receptor recognition and cell membrane fusion process. The S1 subunit contains a receptor-binding domain that recognizes and binds to the host receptor angiotensin-converting enzyme 2, while the S2 subunit mediates viral cell membrane fusion.

Alternative names: S glycoprotein SARS Coronavirus-2, Spike RBD Domain SARS Coronavirus-2 antibody.

Form: ?Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Affinity purified recombinant fusion protein using the spike protein RBD domain (residues 320 to 420) and produced in E. coli.

Specificity: In lysates of transfected cells with the plasmid containing the sequence used, detects the fusion protein by Western blot.

Reactivity: Reacts with Transfected cells proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Transfected cells	+++	ND	ND	ND	ND

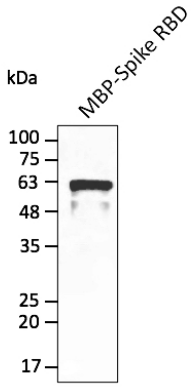
+++ excellent, ++ good, + poor, ND not determined

Usage:

WB: 1:500-1:2,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

Special instructions: The antibody solution should be gently mixed before use..



Anti-Spike Ab at 1/2,500 dilution; lane with 30 ng of recombinant fusion protein; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.