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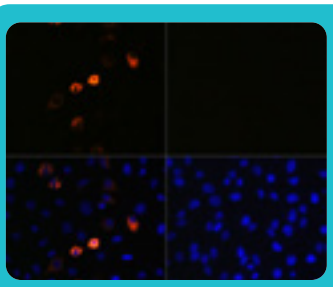
Lab & Production Materials

MERCK

Antibody Products for COVID-19 Research

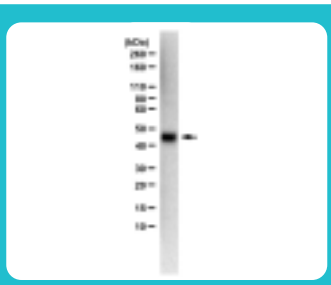
Discover reliable antibody products for all your viral research needs

Antibodies are a critical part of COVID-19 research along with viral proteins and peptides. These enable researchers to receive the whole agents needed for full virus detection in a variety of immune applications. Our portfolio offers antibodies and viral proteins for complete virus detection along with related reagents validated in various applications. **For Research Use Only. Not For Use In Diagnostic Procedures.**



Immunofluorescence

Immunofluorescence analysis of HeLa cells, untreated (right) and SARS-CoV-2 S plasmid transfected (left) using SARS-CoV-2 Spike antibody (Cat. No. SAB5700589).

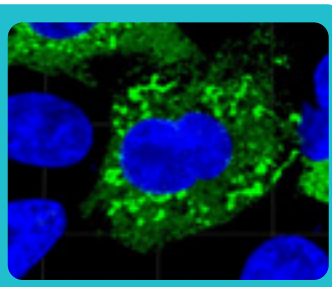


Western Blotting

10 ng of SARS-CoV-2 Spike Protein Receptor Binding Domain (RBD) fragment was probed with Anti-SARS-CoV-1/2 S (Cat. No. ZHU1076).

Flow Cytometry

Expi293™ cells were transfected with SARS-CoV-2 Spike Protein using expression plasmid and then incubated with anti-SARS-CoV-1/2 Antibody Clones hu2B3E5 and CR3022.

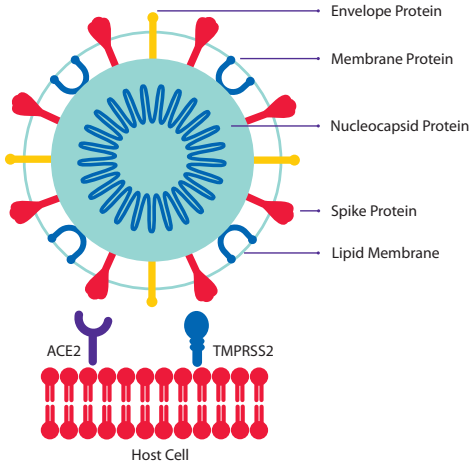


Immunocytochemistry

Vero E6 cells infected with SARS-CoV-2 were performed with Anti-SARS-CoV-1/2 NP, clone 1C7C7 ZooMAb® Mouse Monoclonal Antibody (Cat. No. ZMS1075).

SARS-CoV-2 Viral Proteins

The SARS-CoV-2 coronavirus is the pathogenic cause of the human disease COVID-19. The SARS-CoV-2 virus is a positive-strand RNA virus that causes severe respiratory syndrome in humans. The coronavirus genome is comprised of around 30,000 nucleotides. It encodes four structural proteins, Nucleocapsid (N) protein, Membrane (M) protein, Spike (S) protein, Envelope (E) protein, and several non-structural proteins (NSP). SARS-CoV-2 target cells (epithelial, nasal, bronchial, and pneumocytes) bind to the angiotensin converting enzyme 2 (ACE2) receptor along with the Type 2 transmembrane serine protease (TMPRSS2) present in the host cell. This occurs through the viral structural S protein which mediates coronavirus entry into host cells.



Featured Antibodies and Related Viral Proteins

We offer various antibodies and proteins related to SARS-CoV-2 viral structural proteins to support your viral research.

Viral Protein	Related Antibody	Cat. No.	Related Protein	Cat. No.
Spike Protein	Monoclonal Anti-2019-nCoV Spike produced in Rabbit	**SAB5700589**	SARS-CoV-2 Receptor Binding Domain, Spike protein RBD recombinant, expressed in HEK 293 cells	**SAE1000**
	Anti-SARS-CoV-1/2 S Protein clone hu2B3E5 ZooMAb® Chimeric Monoclonal	**ZHU1076**	Recombinant 2019-nCoV Spike RBD Protein with His tag	**SAB5700590**
	Anti-SARS-CoV-1/2 S Protein, clone 2B3E5 ZooMAb® Mouse Monoclonal	**ZMS1076**	Recombinant 2019-nCoV Spike S1 Protein with hFc and His tag	**SAB5700591**
	---	---	Recombinant 2019-nCoV S1+S2 ECD (S-ECD) Protein with His tag	**SAB5700592**
	---	---	Recombinant 2019-nCoV Spike S1 Protein with His and Avi tag	**SAB5700593**
	---	---	Recombinant 2019-nCoV Spike S1 Protein with His tag	**SAB5700594**
	---	---	Recombinant 2019-nCoV Spike S2 ECD Protein with His tag	**SAB5700597**
	---	---	Recombinant 2019-nCoV Spike RBD Protein with mFc tag	**SAB5700599**
Envelope Protein	---	---	Recombinant 2019-nCoV envelope Protein with His and Avi tag	**SAB5700595**
Nucleocapsid Protein	Monoclonal Anti-2019-nCoV N Protein produced in Rabbit	**SAB5700588**	Recombinant 2019-nCoV Nucleocapsid Protein with His tag	**SAB5700596**
	Anti-SARS-CoV-1/2 NP, clone 1C7C7 ZooMAb® Mouse Monoclonal	**ZMS1075**	---	---

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Experimental conditions must be empirically derived by the user. Our Antibody Guarantee only covers tested applications stated herein and conditions presented in our product information and is not extended to publications.

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