Data Sheet (Cat.No.TMAB-01660)

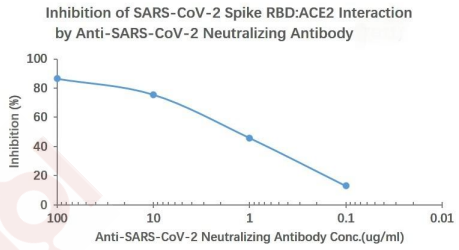
Anti-SARS-CoV-2 (2019-nCoV) Spike Neutralizing Antibody (7D603)

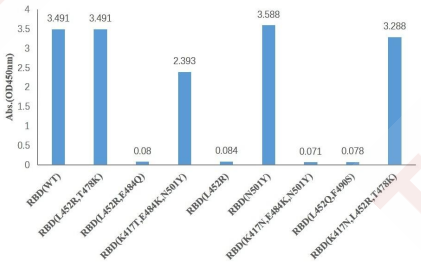
Product Details

Ig Type:	IgG1
Reactivity:	SARS-CoV-2
Molecular Weight:	Theoretical: 140 kDa.
Clone:	7D603
Purification:	Protein A purified

Applications

Verified Activity:	1. The ACE2-coated plate is incubated with SARS-CoV-2 Spike RBD-HRP (WT) and Anti-SARS-CoV-2 Spike RBD Neutralizing antibody. Percent inhibition is calculated based on the OD value by inhibiting RBD: ACE2 interaction. 2. Direct ELISA was used to detect the binding ability of anti-RBD monoclonal antibody to RBD domain proteins of different SARS-CoV-2 Mutant Strains. Immobilized SARS-CoV-2 RBD proteins, at 2 μg/ml (100ul/Well) can bind Anti-RBD monoclonal antibody-HRP at 1 μg/ml (100ul/Well).





Application:	ELISA
Recommended	ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: SARS-CoV-2 Spike S1 Protein
Synonyms:	Spike protein S1;Spike glycoprotein;SARS-CoV-2 spike protein;Surface glycoprotein;Spike protein RBD;SPIKE_SARS2;2019-nCOV Spike protein
Biology Area:	SARS Coronavirus

Research Background

The SARS-CoV-2 spike (S) protein is the target of vaccine design efforts to end the COVID-19 pandemic. Despite a low mutation rate, isolates with the D614G substitution in the S protein appeared early during the pandemic, and are now the dominant form worldwide. Here, we analyze the D614G mutation in the context of a soluble S ectodomain construct.