



MAV104 Recombinant Human anti-COVID-19/SARS-CoV-2 S1 NTD Protein Monoclonal Antibody DATA SHEET

Catalog Number	MAV104
Product Name	Recombinant Human anti-COVID-19/SARS-CoV-2 S1 NTD Protein Monoclonal Antibody
Clonity	Recombinant mAb
Alias	SARS-CoV-2 S1 NTD domain protein antibody, 2019-nCoV, Coronavirus
Size	100ul,500ul,1ml
Concentration	1mg/ml
Clone Number	6F8
Isotype	IgG1
Species	COVID-19
Host	Human
Applications	ELISA
Endotoxin	<0.1EU/ug determined by LAL method.
Biological Activity	IC50 = 112 ng/mL using using ELISA method
Buffer	0.01M PBS, pH 7.4
Cross-Reactivity	React with SARS-CoV-2(COVID-19) S1-NTD protein. Do not react with other SARS-CoV-2 subunits.
Background	<p>The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell: they are essential for both host specificity and viral infectivity. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. Most notable is severe acute respiratory syndrome (SARS). The severe acute respiratory syndrome-coronavirus (SARS-CoV) spike (S) glycoprotein alone can mediate the membrane fusion required for virus entry and cell fusion. It is also a major immunogen and a target for entry inhibitors. The SARS-CoV spike (S) protein is composed of two subunits; the S1 subunit contains a receptor-binding domain that engages with the host cell receptor angiotensin-converting enzyme 2 and the S2 subunit mediates fusion between the viral and host cell membranes. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity, during infection with SARS-CoV.</p>
Storage	This product can be stored at 2°C-8°C for one month. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
Shipping Condition	Shipped on ice packs.
Note	This product is used for research use only. Not for human or diagnostic use.

For Research Use Only!