

CAB20604

Product Information

Product SKU: CAB20604	Gene ID: 1489668	Size: 20uL, 100uL
Clone No: -	Host Species: Rabbit	Reactivity: SARS-CoV

Additional Information

Observed MW: 200kDa	Conjugate: Unconjugated
Calculated MW: 139kDa	Isotype: IgG

Immunogen Information

Background:	The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity. The main functions for the Spike protein are summarized as: Mediate receptor binding and membrane fusion; Defines the range of the hosts and specificity of the virus; Main component to bind with the neutralizing antibody; Key target for vaccine design; Can be transmitted between different hosts through gene recombination or mutation of the receptor binding domain (RBD), leading to a higher mortality rate.
Recommended Dilution:	WB, 1:500 - 1:1000
Synonyms:	E2; SARS-CoV-2 Spike S1
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of coronavirus Spike S1 (NP_828851.1).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.