



ELK Biotechnology

SARS-CoV-2 Spike Protein Mouse mAb Catalog NO. : EM1110 For research use only.

Overview

Product name	SARS-CoV-2 Spike Protein Mouse Monoclonal Antibody(6C7)
Source	Mouse
Applications	WB
Species reactivity	Virus
Recommended dilutions	WB: 1:20,000-50,000 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Specificity	Antibody can detects recombinant and endogenous SARS-CoV-2 Spike proteins.
Storage	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol. Store at -20° C. Do not aliquot the antibody.
Clonality	Monoclonal
Isotype	IgG1
Concentration	1 mg/ml
Observed band	-
GenelD (Human)	43740568
Human Swiss-Prot No.	P0DTC2
Cellular localization	
Alternative Names	S protein, Spike Glycoprotein
Background	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. It's been reported that 2019-nCoV can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor.



Western blot analysis of recombinant SARS-CoV-2 Spike Protein using (EM1110) Mouse mAb diluted at 1:20,000.