

Product datasheet for **TA389032**

S Mouse Monoclonal Antibody [Clone ID: 2G1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2G1
Applications:	ICC, WB
Recommended Dilution:	WB: 1:2000 ICC: 1:1000
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant SARS-CoV-2 S-Protein construct containing the ACE2 binding domain expressed in and purified from E. coli.
Specificity:	Specific for the ~25 kDa ACE2 binding domain construct of SARS-CoV-2 S protein. Full-length CoV-2 S protein is ~142 kDa.
Formulation:	PBS + 50% glycerol and 5 mm NaN ₃
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	25 or 142 full-length
Background:	The novel SARS-coronavirus 2 (SARS-CoV-2) which causes the disease COVID-19 has been shown to utilize the SARS-CoV receptor ACE2 for entry into human cells (Hoffman, M. et al., Cell 2020). The entry of a coronavirus into host cells is mediated by the viral surface-anchored transmembrane spike (S) glycoprotein which is composed of two functional subunits, S1 which binds the receptor and S2 which fuses the membrane (Walls, AC et.al., Cell 2020). S1 contains a receptor-binding domain (RBD) which specifically recognizes ACE2 as its receptor (Wan, Y. et al., 2020).
Note:	Protein G purified culture supernatant.



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