

Antibody Datasheet

Name: Human IgG1 Anti SARS-CoV-2 Spike (S1) Antibody (HH10)

Product Code: MAB12457-100 / MAB12457-500

Batch #:

Date of Manufacture:

Product Description: Recombinant humanised version of the mouse monoclonal antibody MAB12442. Antibody is specific for SARS-CoV-2 spike subunit 1 protein.

Clone Number: HH10.G2.A9.E8

Isotype: IgG1 Kappa

Amount: 0.1 mg / 0.5 mg

Concentration: mg/ml

Purity: >95%

Presentation: Liquid

Buffer: Phosphate Buffered Saline, pH 7.4, Filter Sterile

Stabilizer: No stabilizer added

Preservative: No preservative added

Immunogen: SARS-CoV-2 Spike subunit 1 (S1), REC31806 (aa 1-674)

Purification: Protein A

Specificity: SARS-CoV-2 Spike subunit 1 (S1). The original monoclonal antibody (MAB12442) also binds to SARS-CoV-2 mutant spike proteins REC31899 (D614G, S477N), REC31900 (D614G, L84I, N439K), REC31901 (D614G, G485R), REC31902 (D614G, E484K) and REC31903 (D614G, V445I, H655Y, E583D), and N-terminal domain (NTD, REC31835). The original monoclonal antibody (MAB12442) does not recognize SARS-CoV-2 RBD (Wuhan-Hu-1, UK, Brazilian, Indian Kerala, South African variants), SARS-CoV-2 spike subunit 2 (S2) or spike proteins from SARS-CoV, MERS-CoV, HCoV-NL63, HCoV-OC43, HCoV-229E and HCoV-HKU1.

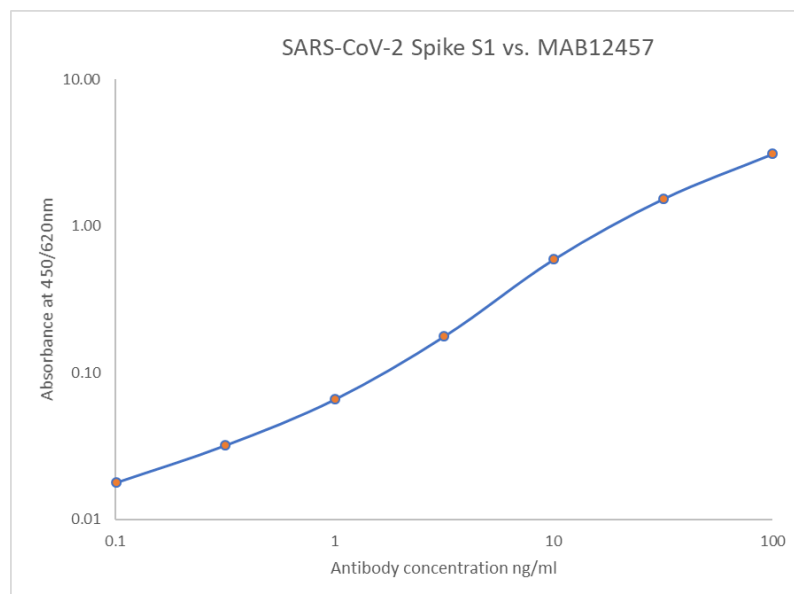
Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: -20°C

Storage Guidelines: Avoid repeat freeze-thaw cycles

ELISA: Antibody is specific for SARS-CoV-2 spike S1 in antigen-down ELISA. Greiner High binding 96 well plate was coated with 100µl of SARS-CoV-2 spike glycoprotein subunit1 (REC31806, 1000ng/ml). Primary antibody dilutions were added at 100-0.1ng/ml (100µl). Secondary goat anti human IgG HRP antibody (100µl) was added at 1:5000 dilution. TMB substrate (M0701A) was added (100µl) until colour developed (15 min.) and then the reaction stopped with 100µl of 1M HCl. Plate was read at 450/620nm.



X

QC

X

QA

Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.



www.thenativeantigencompany.com
VAT No: 102038475

NAC.Contact@LGCGroup.com
Registration No. 7386339

Page 2 of 2

The Native Antigen Company is now part of LGC Group.