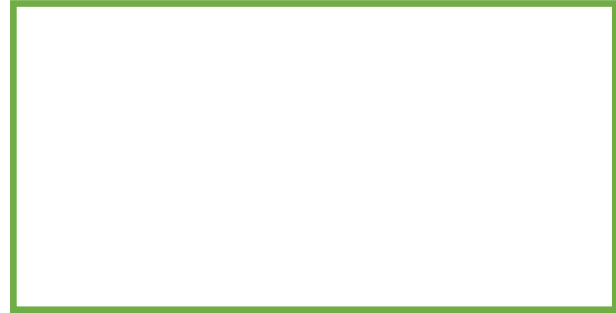




Via Sant'Anna 131-135  
61030 Cartoceto PU (IT)  
Telephone + 39 (0)721830605  
Fax +39 (0)721837154  
e-mail: info@diatheva.com  
www.diatheva.com



## SARS-CoV-2 Spike S1 - RBD monoclonal antibody (S157)

**ANT0092**  
**100ug**

<b>Description</b>	Coronavirus disease 2019 is a newly emerging infectious disease currently spreading across the world. It is caused by a novel coronavirus, severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The spike (S) protein of SARS-CoV-2, which plays a key role in the receptor recognition and cell membrane fusion process, is composed of two subunits, S1 and S2. The S1 subunit contains a receptor-binding domain that recognizes and binds to the host receptor angiotensin-converting enzyme 2, while the S2 subunit mediates viral cell membrane fusion by forming a six-helical bundle via the two-heptad repeat domain. The specific antibodies against different subunits of spike (S) protein of SARS-CoV-2 are excellent research tools for the research against coronavirus
<b>Product type</b>	Monoclonal antibody
<b>Immunogen</b>	Spike1 (S)
<b>Source</b>	Mouse
<b>Reacts with</b>	Conformational SARS-CoV-2 Spike1-RBD domain
<b>Specificity</b>	Anti SARS CoV-2 Spike1 monoclonal antibody detects full-length Spike1-RBD also in its glycosylated form. The antibody does not cross react with SARS CoV-2 Spike2 and SARS CoV-2 Spike1 domain.
<b>Tested applications</b>	WB, ELISA.
<b>Recommended dilutions</b>	Recommended starting dilutions can vary lot-to-lot. Consult the product information label in the package for lot specific values. <b>Note:</b> When using any primary antibody or fluorescence-labelled secondary antibody for the first time, titrate out the antibody to determine which dilution allows the strongest specific signal with the lowest background for your sample.
<b>Purity</b>	Mouse monoclonal immunoglobulins IgG1 subclass were purified by protein L affinity chromatography and stabilized with 0.05% of glycerol.
<b>Form</b>	Liquid. Supplied in 100mM sodium citrate, 50mM Tris and 0.05% v/v glycerol. Neutral pH.
<b>Storage instructions</b>	Shipped at -20°C When stored at -20°C, the antibody is stable for 12 months. <b>Note:</b> Avoid repeated freezing and thawing cycles. It is recommended aliquoting the product upon arrival.
<b>References</b>	Clinical and Analytical Performance of an Automated Serological Test That Identifies S1/S2-Neutralizing IgG in COVID-19 Patients Semiquantitatively. Bonelli F, Sarasini A, Zierold C, Calleri M, Bonetti A, Vismara C, Blocki FA, Pallavicini L, Chinali A, Campisi D, Percivalle E, DiNapoli AP, Perno CF, Baldanti F.  Structures and distributions of SARS-CoV-2 spike proteins on intact virions. Ke Z, Oton J, Qu K, Cortese M, Zila V, McKeane L, Nakane T, Zivanov J, Neufeldt CJ, Cerikan B, Lu JM, Peukes J, Xiong X, Kräusslich HG, Scheres SHW, Bartenschlager R, Briggs JAG. Nature. 2020 Dec;588(7838):498-502. doi: 10.1038/s41586-020-2665-2. Epub 2020 Aug 17.  SARS-CoV-2-specific virulence factors in COVID-19. Kumar A, Prasoon P, Kumari C, Pareek V, Faiq MA, Narayan RK, Kulandhasamy M, Kant K. J Med Virol. 2021 Mar;93(3):1343-1350. doi: 10.1002/jmv.26615. Epub 2020 Nov 1.