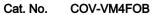
Biotinylated SARS-COV-2 Spike S (Omicron B.1.1.529) Trimer Protein





Recombinant Biotinylated SARS-COV-2 Spike S (Omicron B.1.1.529) Trimer Protein is expressed from HEK293 vith His tag and Avi tag at the C-Terminus.
contains Val16-Pro1213(A67V, HV69-70del, T95I, G142D, VYY143-145del, N211del, L212I, ins214EPE, 6339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, I501Y, Y505H, T547K, D614G, H655Y, N679K, P681H, N764K, D796Y, N856K, Q954H, N969K, L981F) trimer esign. Proline substitutions (F817P, A892P, A899P, A942P, K986P, V987P) and alanine substitutions (R683A nd R685A) are introduced to stabilize the trimeric prefusion state of SARS-CoV-2 S protein and abolish the furin leavage site, respectively.
QHO60594.1
he protein has a predicted MW of 136.70 kDa. Due to glycosylation, the protein migrates to 140-180 kDa based n Bis-Tris PAGE result.
ess than 1 EU per μg by the LAL method.
95% as determined by Bis-Tris PAGE
e
yophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before ophilization.
bissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
20 to -80°C for 12 months as supplied from date of receipt80°C for 3 months after reconstitution.Recommend of aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting nzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays ey parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

Assay Data

Bis-Tris PAGE



Biotinylated SARS-COV-2 Spike S (Omicron B.1.1.529) Trimer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Biotinylated SARS-COV-2 Spike S (Omicron B.1.1.529) Trimer Protein

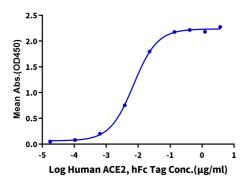
Cat. No. COV-VM4FOB



Assay Data

Biotinylated SARS-COV-2 Spike S (Omicron B.1.1.529) Trimer, His Tag ELISA

0.2μg Biotinylated SARS-COV-2 Spike S (Omicron B.1.1.529) Trimer, His Tag Per Well



Immobilized Biotinylated SARS-COV-2 Spike S (Omicron B.1.1.529) Trimer, His Tag at 2µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 7.2ng/ml determined by ELISA.