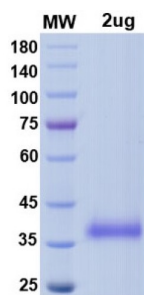


SARS-CoV-2 Spike Protein RBD (Delta B.1.617.2 Variant)

Catalogue No.: abx620012



SDS-PAGE analysis of SARS-CoV-2 Spike Protein RBD (Delta B.1.617.2 Variant; L452R and T478K Mutations).

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) Spike Protein Receptor-Binding Domain (RBD) is a recombinant protein expressed in Mammalian cells.

The SARS-CoV-2 Spike Protein (S protein) is a viral protein that allows the entry of SARS-CoV-2 into human cells. The protein forms trimers on the viral capsid and binds to human Angiotensin Converting Enzyme 2 (ACE2) located on the cell surface. The protein has a cleavage site between the Spike Protein and S2 subunits that is targeted by the human enzyme Furin, and it may also cause the development of a syncytium (cell fusion). Antibodies to S protein can prevent viral entry as well as target the virus for further immune action.

The B.1.617.2 (Delta) variant was first identified in India. It contains the L452R and T478K mutations, which appear to increase viral infectivity compared with other variants.

Target: Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Spike Protein RBD (Delta B.1.617.2 Variant)

Target Modification: Lys452Arg, Thr478Lys

Modification: Mutation

Origin: Virus

Expression: Recombinant

Tested Applications: SDS-PAGE

Host: Mammalian cells

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Form: Lyophilized

Datasheet

Version: 10.0.0

Revision date: 29 Apr 2025



Purity:	> 90% (SDS-PAGE)
Reconstitution:	Reconstitute in ddH ₂ O to a concentration of 1 mg/ml.
Storage:	Store between -20 °C and -80 °C. Avoid repeated freeze/thaw cycles.
NCBI Accession:	YP_009724390.1
Molecular Weight:	Observed MW: 35 kDa
Tag:	C-terminal His tag
Buffer:	Prior to lyophilization: PBS, pH 7.4, containing 1 mM EDTA, 4% Trehalose and 1% Mannitol.
Concentration:	Prior to lyophilization: 1.48 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only