

SARS-CoV-2 Spike (S) Glycoprotein RBD

Antigen Specification

Product Number: 46100

Description:

SARS-CoV-2 Spike (S) Glycoprotein RBD.

Recombinant antigen for in vitro research and manufacturing use only.

Immunological function:

Binds IgG/IgM/IgA-type human antibodies.

Origin:

Recombinant. Expressed by recombinant baculovirus (*Autographa californica* multiple nuclear polyhedrosis virus; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

Expression construct:

A cDNA coding for the SARS-CoV-2 Spike (S) Glycoprotein RBD fused to a deca-histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80%); Western blot with patient sample.

Calculated molecular weight:

26,86 kDa (protein component excluding glycosylation).

Calculated isoelectric point:

pH 8.85

Immunological tests/Functionality:

ELISA, immunodot analyses and line assay analyses with positive/negative serum samples.

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent. Storage conditions: -70°C or below. Repeated freeze/thaw cycles should be avoided.

Copyright 2021 DIARECT GmbH