



IBT BIOSERVICES

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SARS-CoV-2 Spike Protein (S1+S2, ECD)

Catalog #: 0573-001

Lot #: 2007009

Description: SARS-CoV-2 Spike Protein (S1+S2, stabilized ectodomain) with His-tag is produced in stably-transfected Drosophila Schneider 2 (S2) cells and is purified by FPLC. Theoretical MW ~140 kDa

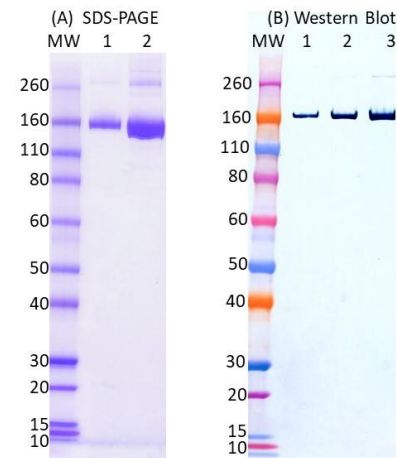
Storage: -80°C long term

Size: 100 µg of protein supplied in PBS (supplemented with glycerol, arginine and glutamic acid) at a concentration of **1.178 mg/mL**.

Relevance: As control protein for immunoassays and a tool to enhance research.

Related Products: IBT provides a wide array of anti-filovirus specific antibodies and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

SDS-PAGE & Western Blot Detection



(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lanes 1-2) of SARS-CoV-2 Spike Protein under denaturing and non-reducing conditions. MW denotes Novex® Sharp prestained protein marker. (B) Western blot detection of SARS-CoV-2 Spike Protein at 50 ng, 100 ng and 200 ng (lanes 1-3) using rabbit anti-RBD pAb (peptide-specific) (IBT Bioservices cat# 0373-001) and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.

ELISA Data

SARS-CoV-2 Spike Protein (S1+S2, ECD) ng/well	OD 650 nm
400.000	3.443
200.000	3.449
100.000	3.371
50.000	2.947
25.000	1.543
12.500	0.674
6.250	0.293
3.125	0.162
1.563	0.129
0.781	0.105
0.391	0.100

Plate was coated with SARS-CoV-2 Spike Protein starting at 400 ng/well, serially diluted 2-fold in DPBS. Washed plate was probed using one dilution of a positive control anti-RBD polyclonal antibody and detected with anti-rabbit IgG HRP conjugate followed by TMB substrate. OD₆₅₀ is reported. Background was 0.067 OD₆₅₀.

Intended for research use only, not for human, therapeutic, or diagnostic applications.

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