

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

Catalog #: 0573-001

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.

Formulation & Storage: Supplied in PBS and supplemented with glycerol, arginine and glutamic acid. **Store at -80°C** for long term.

Notes & Usage Guidelines:

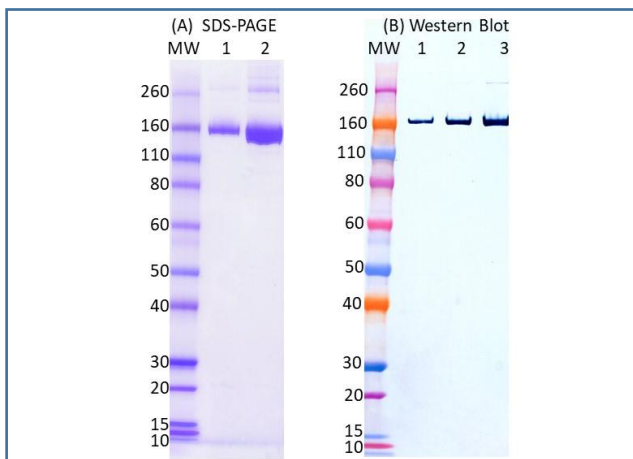
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (Lanes 1 and 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 IBT's rabbit anti-RBD polyclonal antibody (peptide-specific) (Catalog # 0373-001) and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



ELISA Data:

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 below. Background was 0.067 OD650.

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

Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at services@ibtbioservices.com

Related Products:

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

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