

## 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:

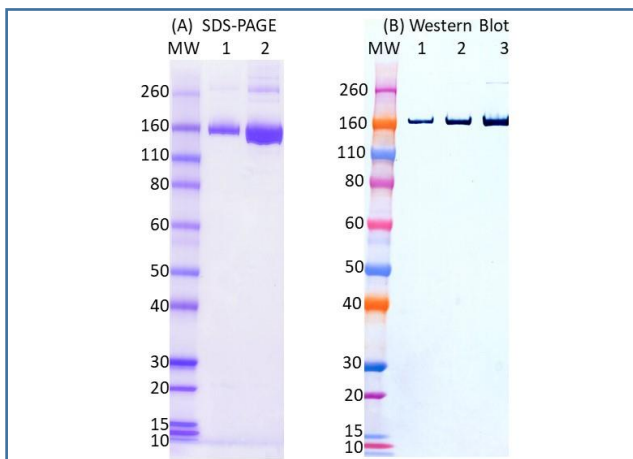
**ELISA:** Assay-dependent dilution

**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](mailto:services@ibtbioservices.com)

### Related Products:

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