

## SARS-CoV-2 Receptor Binding Domain (RBD)

Catalog #: 0571-001

### Description:

SARS-CoV-2 Receptor Binding Domain (RBD) with His-tag is produced in stably transfected Drosophila Schneider 2 (S2) cells and is purified by FPLC. Theoretical MW ~25 kDa.

**Formulation & Storage:** Supplied in HEPES buffer with sodium salt. **Store at** -20°C for 2-3 weeks, -80°C for long term.

### Notes & Usage Guidelines:

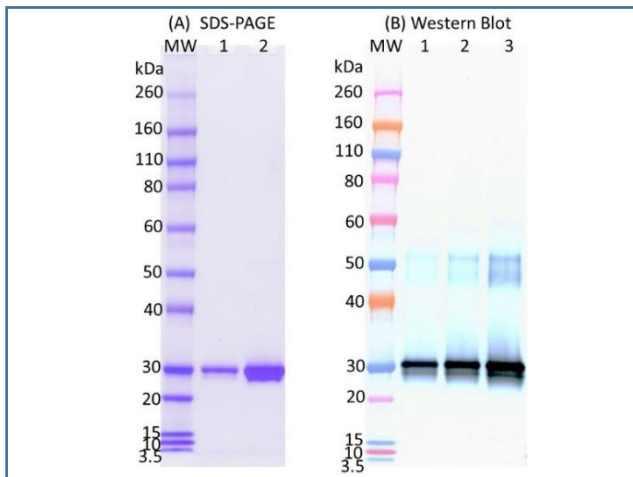
**ELISA:** Assay-dependent dilution

**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 RBD under denaturing and reducing conditions. MW denotes Novex® Sharp prestained protein marker. (B) Western blot detection of SARS-CoV-2 RBD at 25 ng, 50 ng and 100 ng (Lanes 1-3) using rabbit anti-RBD pAb and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



### ELISA Data:

Plate was coated with SARS-CoV-2 RBD starting at 400 ng/well, serially diluted 2-fold in DPBS. Washed plate was probed using one dilution of the rabbit anti-RBD pAb and detected with anti-rabbit IgG HRP conjugate followed by TMB substrate. OD650 is reported below. Background was 0.070 OD650.

SARS-CoV-2 RBD ng/well	OD 650 nm
400.000	3.586
200.000	3.595
100.000	3.465
50.000	3.331
25.000	2.986
12.500	2.473
6.250	1.700
3.125	1.035
1.563	0.607
0.781	0.344
0.391	0.232

### 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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