

## SARS-CoV-2 RBD

**Catalog #:** 0571-001

**Lot #:** 2007001

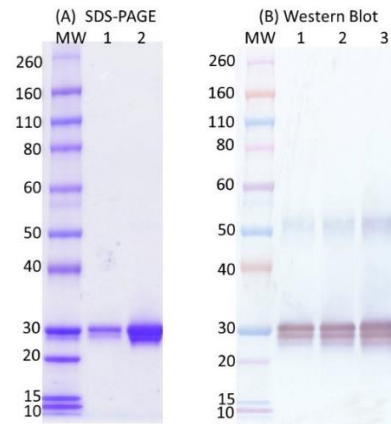
**Description:** SARS-CoV-2 Receptor Binding Domain (RBD) with His-tag is produced in stably-transfected Drosophila Schneider 2 (S2) cells and is purified by FPLC. Theoretical MW ~25 kDa

**Storage:** 2-3 weeks at -20°C, -80°C long term

**Size:** 100 µg of protein supplied in HEPES buffer with sodium salt, at a concentration of 3.063 mg/mL.

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

### SDS-PAGE & Western Blot Detection



(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lanes 1-2) 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

SARS-CoV-2 RBD ng/well	OD 650 nm
400.000	3.586
200.000	3.590
100.000	3.499
50.000	3.391
25.000	3.107
12.500	2.520
6.250	1.719
3.125	0.977
1.563	0.523
0.781	0.308

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. OD<sub>650</sub> is reported. Background was 0.056 OD<sub>650</sub>.

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