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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB13088 - Goat Anti-SARS-COV2 Spike protein-S1 Domain (N Terminal) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) isolate Wuhan-Hu-1, Spike glycoprotein, E2, Peplomer protein

**Official Symbol:** SARS-CoV-2

**Accession Number(s):** P0DTC2; NC\_045512.2/MN908947

### Immunogen

Peptide with sequence PROPRIETARY.,-C, from the N Terminus of the protein sequence according to P0DTC2; NC\_045512.2/MN908947.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

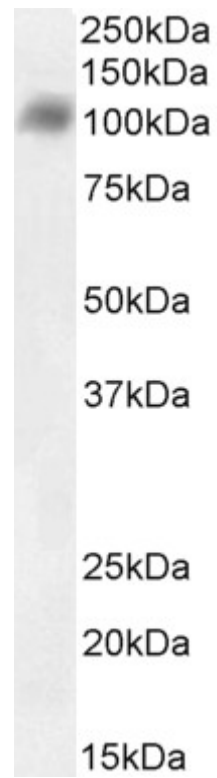
**Western blot:** Approx 100-110kDa band observed on recombinant SARS-COV2 Spike Protein S1. Recommended concentration 0.5-1ug/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Transient expression of SARS-CoV-2 spike protein expressing plasmid, seen in the cytoplasm of HEK293 transfected cells.

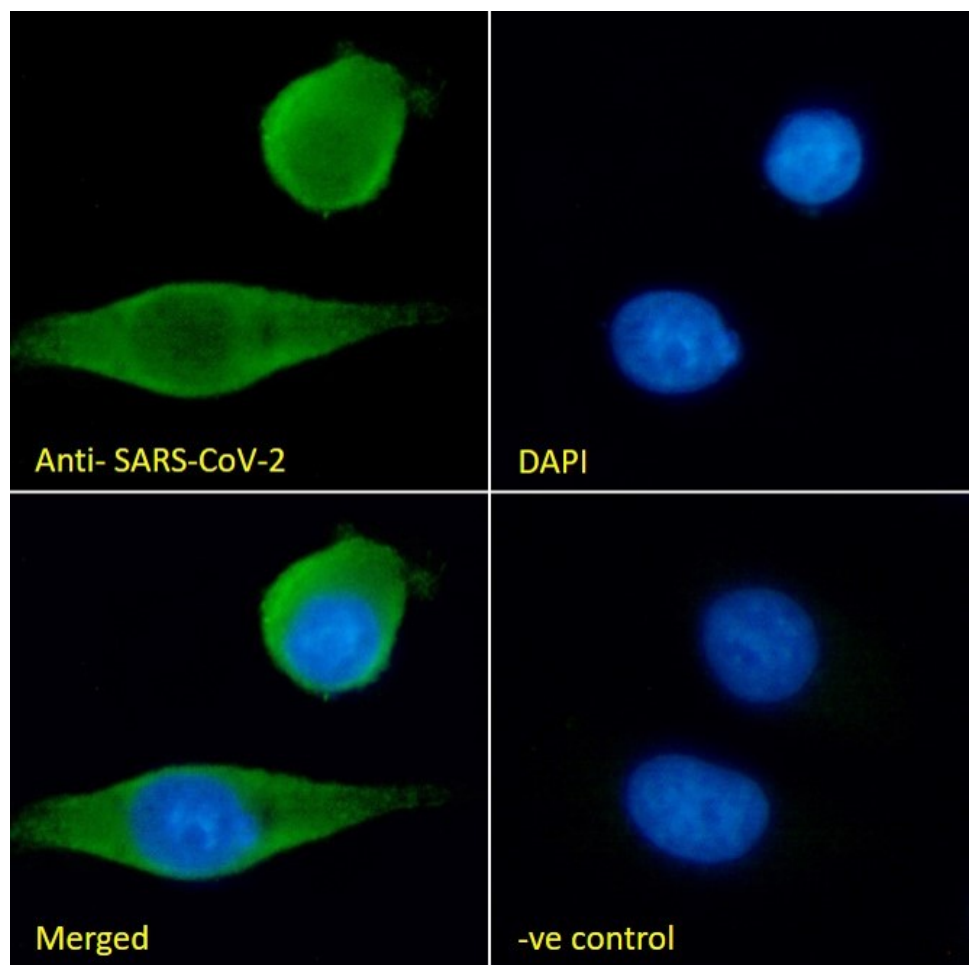
### Species Reactivity

**Tested:** Viral

**Expected from sequence similarity:** Human Coronavirus



EB13088 (1 $\mu$ g/ml) staining of recombinant Spike Protein S1 (1 $\mu$ g protein in PBS, pH 7.4). Detected by chemiluminescence.



EB13088 Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells transiently transfected with SARS-CoV-2 spike protein expressing plasmid, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: non-transfected HEK293 cells.