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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-SARS-CoV-2, 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.

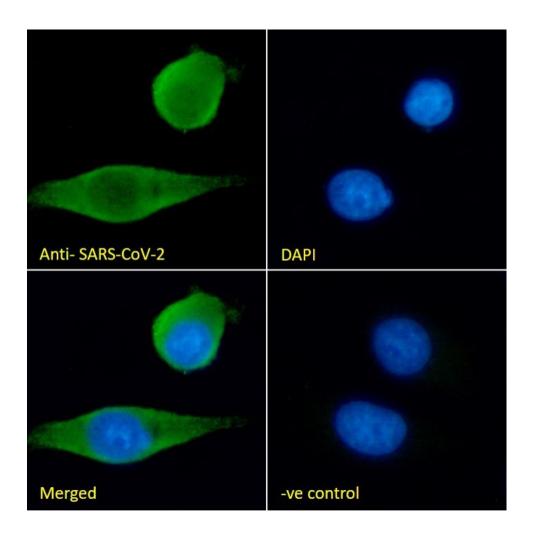
Species Reactivity

Tested: Viral

Expected from sequence similarity: Human Coronavirus

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB13088 (1 μ g/ml) staining of recombinant Spike Protein S1 (1 μ 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.