

CERTIFICATE OF ANALYSIS

Catalog #: 9555 **Lot #:** 29A02121

Description: Human ACE2 Protein, Rec.
Recombinant Human Angiotensin Converting Enzyme 2 (ACE2)

Recombinant protein of the extracellular domain (Gln18-Arg708) of Human ACE2.
Molecular Weight: ~ 110 kDa
Contains Human IgG1 Fc tag at C-Terminus.

Host: Human Cells

Source: HEK293

Format: Purified, Liquid

Purity: ≥ 90% by SDS-PAGE and Coomassie Blue staining. Affinity Purified

Concentration: 1.5 mg/mL (BCA Microplate Assay)

Buffer: Phosphate Buffered Saline, pH 7.2-7.4

Preservative: None

Applications: Suitable for use in ELISA and Western Blot. Each laboratory should determine an optimum working titer for use in its particular application. As a transmembrane protein, ACE2 serves as the main entry point into cells for some coronaviruses, including HCoV-NL63, SARS-CoV, the virus that causes SARS, and SARS-CoV-2, the virus that causes COVID-19. This has led some to hypothesize that decreasing the levels of ACE2, in cells, might help in fighting the infection. On the other hand, ACE2 has been shown to have a protective effect against virus-induced lung injury by increasing the production of the vasodilator angiotensin 1-7. Furthermore, according to studies conducted on mice, the interaction of the spike protein of the coronavirus with ACE2 induces a drop in the levels of ACE2 in cells through internalization and degradation of the protein and hence may contribute to lung damage.

Storage: Store at -20°C to -70°C, avoid repeated freeze/thaw cycles.

Inactivation: Not Applicable

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature: 

21 JAN 2021

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