

## CAB20687

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### Product Information

|                     |          |                      |        |                    |                              |
|---------------------|----------|----------------------|--------|--------------------|------------------------------|
| <b>Product SKU:</b> | CAB20687 | <b>Gene ID:</b>      | -      | <b>Size:</b>       | 20uL, 100uL                  |
| <b>Clone No:</b>    | -        | <b>Host Species:</b> | Rabbit | <b>Reactivity:</b> | Other (Wide Range Predicted) |

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### Additional Information

|                       |       |                   |              |
|-----------------------|-------|-------------------|--------------|
| <b>Observed MW:</b>   | 20kDa | <b>Conjugate:</b> | Unconjugated |
| <b>Calculated MW:</b> | -     | <b>Isotype:</b>   | IgG          |

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### Immunogen Information

**Background:** Enterovirus 71 (EV71) is the main pathogen of the hand, foot, and mouth disease. It was firstly isolated from sputum specimens of infants with central nervous system diseases in California in 1969, and has been repeatedly reported in various parts of the world, especially in the Asia-Pacific region. Infection with EV71 can lead to severe neurological complications such as encephalitis, acute flaccid paralysis, and pulmonary edema in children (1). EV71 belongs to the genus Enterovirus within the Picorna viridae family, which is a non-enveloped virus with a single positive-stranded RNA genome. EV71 3C protein is a 183 amino acid cysteine protease that can cleave most structural and non-structural proteins of EV71. Based on the analysis and understanding of EV71 3C protease, it is helpful to study and treat diseases caused by EV71 virus infection. The EV71 3C protease promotes virus replication by cleaving EV71 synthesis or host proteins. Moreover, EV71 3C protease inhibits the innate immune system and causes apoptosis.

**Recommended Dilution:** WB, 1:500 - 1:1000

**Synonyms:** -

**Purification Method:** Affinity purification

**Immunogen:** Recombinant protein of human EV71 3C.

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.