

## CAB22605

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### Product Information

<b>Product SKU:</b>	CAB22605	<b>Gene ID:</b>	918758	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC57845	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	HCoV-229E

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### Additional Information

<b>Observed MW:</b>	160kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	129kDa	<b>Isotype:</b>	IgG

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### Immunogen Information

**Background:** S1 region attaches the virion to the cell membrane by interacting with host ANPEP/aminopeptidase N, initiating the infection. Binding to the receptor probably induces conformational changes in the S glycoprotein unmasking the fusion peptide of S2 region and activating membranes fusion. S2 region belongs to the class I viral fusion protein. Under the current model, the protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats regions assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes.

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

**Synonyms:** -

**Purification Method:** Affinity purification

**Immunogen:** Recombinant protein of human HCoV-229E Spike S1.

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.