



S Antibody, Biotin conjugated

Product Code	CSB-PA333052LD01BJO
Abbreviation	Spike glycoprotein
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P25194
Immunogen	Recombinant Bovine coronavirus Spike glycoprotein protein (326-540AA)
Raised In	Rabbit
Species Reactivity	Bovine coronavirus
Tested Applications	ELISA
Relevance	S1 attaches the virion to the cell membrane by binding to 9-O-acetylated sialic acid containing proteins, initiating the infection. By similarity S2 is a 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) 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 (By similarity).
Form	Liquid
Conjugate	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Spike glycoprotein (S glycoprotein) (E2) (Peplomer protein) [Cleaved into: Spike protein S1 (90B); Spike protein S2 (90A)], S
Species	Bovine coronavirus
Research Area	Others
Target Names	S