

Anti-CDV Fusion glycoprotein F0 Antibody (4S488)

Product Details

Ig Type:	IgG
Reactivity:	CDV
Molecular Weight:	Theoretical: 73 kDa. Actual: 52 kDa.
Clone:	4S488
Purification:	Protein A purified

Applications

Verified Activity:	20 ng Recombinant CDV Fusion Glycoprotein F0 protein, His per lane probed with CDV Fusion glycoprotein F0 monoclonal antibody respectively, unconjugated (TMAB-04191) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,ELISA
Recommended	WB: 1:500-2000; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Canine distemper virus Fusion glycoprotein F0
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Research Background

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 plasma cell membrane fusion, the heptad repeat (HR) 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 plasma cell membranes. Directs fusion of viral and cellular membranes leading to delivery of the nucleocapsid into the cytoplasm. This fusion is pH independent and occurs directly at the outer cell membrane. The trimer of F1-F2 (F protein) probably interacts with H at the virion surface. Upon HN binding to its cellular receptor, the hydrophobic fusion peptide is unmasked and interacts with the cellular membrane, inducing the fusion between cell and virion membranes. Later in infection, F proteins expressed at the plasma membrane of infected cells could mediate fusion with adjacent cells to form syncytia, a cytopathic effect that could lead to tissue necrosis

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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