

Anti-IBDV-VP2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	(predicted:IBDV)
Molecular Weight:	Theoretical: 109 kDa.
Purification:	Protein A purified

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-10000

Properties

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

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: IBDV-VP2
Synonyms:	Q9WCF1_IBDV;Structural polyprotein;VP2-4-3

Research Background

Infectious bursal disease (also known as IBD, Gumboro Disease, Infectious Bursitis and Infectious Avian Nephrosis) is a highly contagious disease of young chickens caused by infectious bursal disease virus (IBDV), characterized by immunosuppression and mortality generally at 3 to 6 weeks of age.

IBDV is a double stranded RNA virus that has a bi-segmented genome and belongs to the genus Avibirnavirus of family Birnaviridae. There are two distinct serotypes of the virus, but only serotype 1 viruses cause disease in poultry. At least six antigenic subtypes of IBDV serotype 1 have been identified by in vitro cross-neutralization assay. Viruses belonging to one of these antigenic subtypes are commonly known as variants, which were reported to break through high levels of maternal antibodies in commercial flocks, causing up to 60 to 100 percent mortality rates in chickens. With the advent of highly sensitive molecular techniques, such as reverse transcription polymerase chain reaction (RT-PCR) and restriction fragment length polymorphism (RFLP), it became possible to detect the vIBDV, to differentiate IBDV strains, and to use such information in studying the molecular epidemiology of the virus.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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