



Rabbit Anti-BVDV E2 antibody

SL20022R

Product Name:	BVDV E2
Chinese Name:	牛病毒性腹泻BVDV病毒E2蛋白抗体
Alias:	polyprotein [Bovine viral diarrhea virus 1]; POLG_BVDVN; Envelope glycoprotein E2; BVDV Envelope glycoprotein E2; PestiV1gp1 polyprotein [Bovine viral diarrhea virus 1].
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	BVDV
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	Recombined BVDV Envelope glycoprotein E2:full length protein
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Initial binding to target cell probably involves interaction of E(rns) with glycosaminoglycans. E1 and/or E2 are responsible of cell attachment with CD46 and subsequent fusion after internalization of the virion by endocytosis (Probable). P7 forms a leader sequence to properly orient NS2 in the membrane. Uncleaved NS2-3 is required for production of infectious virus. NS2 protease seems to play a vital role in viral RNA replication control and in the pathogenicity of the virus.

NS3 displays three enzymatic activities: serine protease, NTPase and RNA helicase.
NS4A is a cofactor for the NS3 protease activity.
RNA-directed RNA polymerase NS5 replicates the viral (+) and (-) genome.

SWISS:
N/A

Gene ID:
1489735

Database links:
[Entrez Gene: 1489735](#) BVDV

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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