



Anti-BVDV1&2 E2 gp53 monoclonal antibody, clone 32K5 (CABT-BL8927)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Binds to the E2 (gp53) protein of Bovine Viral Diarrhea Virus Type 1 (BVDV-1) and to Bovine Viral Diarrhea Virus Type 2 (BVDV-2)
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Bovine Viral Diarrhea Virus
Clone	32K5
Conjugate	Unconjugated
Applications	IFA, IIP, Neut
Size	Increments of 0.1 mg. Please specify desired quantity and volume (i.e. 2 vials of 0.1 mg or 1 vial of 0.2 mg)
Buffer	This monoclonal antibody is produced as mouse ascites fluid, clarified by centrifugation, and filtered through a 0.2 micrometer filter. The concentration is 1.0 mg/ml in phosphate-buffered saline, containing 4 mg/ml BSA, preserved with sodium azide.
Preservative	See individual product datasheet
Storage	Store at 2-7 °C. Do not freeze!

BACKGROUND

Introduction	BVDV is a member of the Pestivirus genus, belonging to the family Flaviviridae. Border Disease Virus (Sheep) and Classical Swine Fever Virus (Pigs) are other members of this genus which also cause significant financial loss to the livestock industry. Pestiviruses are small, spherical, single-stranded, enveloped RNA viruses of 40 to 60 nm in diameter. The genome consists of a single, linear, positive-sense, single-stranded RNA molecule of approximately 12.3 kb. Two BVDV genotypes are recognised, based on the nucleotide sequence of the 5'untranslated (UTR) region; BVDV-1 and BVDV-2. BVDV-1 isolates have been grouped into 16 subtypes (a-p) and
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BVDV-2 has currently been grouped into 3 subtypes (a–c).
