Recombinant Anti-LCDV Antibody (V3S-0522-YC1789)

Cat. No.: V3S-0522-YC1789

Summary

Description	This product is a monoclonal antibody derived from Mouse (*Mus musculus*), which can specif ically recognize Lymphocystis disease virus. The antibody is expressed with mammalian cell t ransient expression system, serum-free and purified by affinity chromatography. The purity an d integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional Q C measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The *In vivo* version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 E U/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Lymphocystis Disease Virus (LCDV)
Isotype	IgG
Isotype Control	C35500
Secondary Antibody	C47504; C37557; C41360; C32672; C10001; C13172; C32251; C50005

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 μM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4^{0}C within a week. For longer storage, aliquot and store at -20^{0}C.

Applications

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-biolabs.com
Tel: 1-631-381-2994 Fax: 1-631-207-8356

Application	ELISA
Application Notes	The antibody is recommended for detection of LCDV by ELISA assay.

Target

Target	LCDV
Alternative Name	Lymphocystis disease virus
Introduction	Lymphocystis is a chronic disease of freshwater and marine fishes caused by infection with a n iridovirus known as Lymphocystivirus or Lymphocystis disease virus (LCDV), which is a me mber of the family Iridoviridae. LCDV is the causative agent of a well-known fish viral disease that is characterized by hypertrophy of fibroblastic cells in the connective tissue. This viral dis ease affects more than 125 wild and cultured species of teleost fish from marine and freshwat er environments and has a cosmopolitan geographical distribution. In aquaculture systems, t he prevalence of LCDV infection is very high, likely reflecting the horizontal transmission of th is virus. The incidence rate of the disease may reach 70%, causing significant economic loss es for the aquaculture industry.
Research Area	Infectious Disease

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-biolabs.com
Tel: 1-631-381-2994 Fax: 1-631-207-8356