

AibGenesis™ Mouse Anti-Beluga Whale Coronavirus SW1 3C-like Proteinase Monoclonal Antibody

Cat. No.: VRS-0124-YT3411

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Overview

Target	3C-like proteinase
Specificity	This antibody is specific for 3C-like proteinase of Beluga whale coronavirus SW1.
Clone	TF0639
Host Species	Mouse
Antibody Isotype	IgG
Species Reactivity	Beluga whale coronavirus SW1

Product Properties

Immunogen	Synthetic peptide corresponding to partial sequence of 3C-like proteinase.
Purity	>95%

Packaging, Storage & Formulations

Form	Liquid, please specify if lyophilized powder is required.
Formulation	PBS (pH 7.4) without any preservative, please specify if any additional requirements.
Preservative	Preservative-free, please specify if any additional requirements.

Applications

Application	ELISA
Application Notes	The antibody is screened by ELISA using the synthetic peptide that corresponds to a partial sequence of Beluga whale coronavirus SW1 3C-like proteinase as the capture antigen. Additional applications have not been validated. It is recommended that

the end users validate other applications and determine optimal concentrations/dilution under their experimental conditions.

Other Product Details

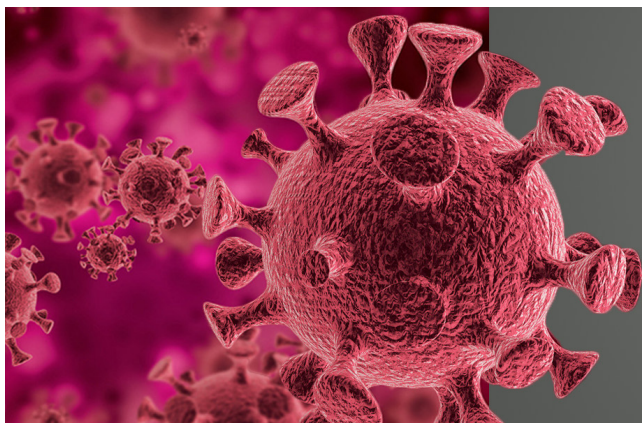
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Positive-sense single-stranded RNA Virus
Virus Family	<i>Coronaviridae</i>
Virus Subfamily	<i>Orthocoronavirinae</i>
Virus Genus	<i>Gammacoronavirus</i>
Species	<i>Beluga whale coronavirus SW1</i>
Accession number	EU 111742
RefSeq number	N C_010646
Virus Abbrev	BWCoV
Virus Name	Beluga whale coronavirus
Virus Alternatives Names	Beluga whale coronavirus; BWCoV; Beluga whale coronavirus SW1
Genome Composition	ssRNA(+)

Target

Introduction	Beluga whale coronavirus SW1 (Whale-CoV SW1) is a mammalian Gammacoronavirus, an RNA virus, discovered through genome sequencing in the liver of a single deceased beluga whale and first described in 2008. This was the first description of the complete genome of a coronavirus found in a marine mammal.
Target Alternative Names	3C-like proteinase, EC 2.7.7.48, EC 3.6.4.12, EC 3.6.4.13, Growth factor-like peptidase, Helicase, M-PRO, NendoU, Non-structural protein 10, Non-structural protein 2, Non-structural protein 3, Non-structural protein 4, Non-structural protein 6, Non-structural protein 7, Non-structural protein 8, Non-structural protein 9, ORF1ab polyprotein, Papain-like proteinase, Peptide HD2, RNA-directed RNA polymerase, Replicase polyprotein 1ab, Uridylate-specific endoribonuclease, nsp12, nsp13, nsp14, nsp15, nsp16, nsp5, p10, p195
Gene ID	6264444
UniProt ID	B2BW31



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.