

Recombinant Anti-CaCV ORF2 (G517) Antibody (V3S-1022-YC3444)

Cat. No.: V3S-1022-YC3444

Summary

Description	This product is a recombinant Mouse antibody provided by CreativeBiolabs. The antibody is specific for Canine calicivirus (strain 48) Capsid protein ORF2. It can be used for CaCV ORF2 detection in Immunohistochemistry (IHC). It was expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Canine calicivirus strain 48 (CaCV strain 48)
Epitope	The epitope contains residue G517.
Isotype	IgG2a
Isotype Control	C13524; C23407
Secondary Antibody	C37557; C41360; C32672; C10001

Property

Expression Species	HEK293F or CHO Cell line
Conjugation	Unconjugated, also available for Biotin, HRP, FITC and PE-labeled form.
Purity	>95%, determined by SDS-PAGE and SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Purified with Protein A or G affinity chromatography
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Applications

Application IHC

Target

Target CaCV ORF2

Alternative Name ORF2; Capsid protein; CaCV (strain 48) ORF2; Canine calicivirus (strain 48)

Gene ID [956315](#)

UniProt [Q72120](#)

Introduction Capsid protein self assembles to form an icosahedral capsid with a T=3 symmetry, about 38 nm in diameter, and consisting of 180 capsid proteins. Acidification of the endosome induces conformational change of capsid protein thereby injecting virus genomic RNA into host cytoplasm.

Research Area Microbiology

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