

Recombinant Anti-LDV GP5 Antibody (V3S-1022-YC5342)

Cat. No.: V3S-1022-YC5342

Summary

Description	This product is a recombinant Mouse antibody provided by CreativeBiolabs. The antibody is specific for Lactate dehydrogenase elevating virus Major structural glycoprotein GP5. It can be used for LDV GP5 detection in Enzyme-linked Immunosorbent Assay (ELISA). 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	Lactate dehydrogenase elevating virus (LDV)
Epitope	Located in the sequence: NSSTKNLIYNLTLCELNVTGF.
Isotype	IgG
Isotype Control	C35500
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 ELISA

Target

Target LDV GP5

Alternative Name LDV GP5; Lactate dehydrogenase elevating virus; LDV; GP5; Major structural glycoprotein GP5

Introduction LDV specifically causes lifelong persistent viremia in mice, but doesn't really harm the host and only slightly harms the immune system. LDV has a remarkably narrow cell type specificity, meaning nothing homologous with LDV in mice has been found in another species.

Research Area Microbiology

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