Anti-LDV GP5 Neutralizing Antibody (V3S-1022-YC4034)

Cat. No.: V3S-1022-YC4034

Summary

Description	This product is a recombinant Mouse antibody provided by CreativeBiolabs. The antibody is specific for Lactate dehydrogenase elevating virus Plagemann major structural glycoprotein GP5. It can be used for LDV GP5 detection in Neutralization (Neut). 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	LDV Plagemann
Epitope	Located in the sequence: ACAAGNSSTKNLIYNLTLCELNVTGFQQHF.
Isotype	IgG1
Isotype Control	C60052; C51237
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.

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Applications

Application	Neut

Target

Target	LDV GP5
Alternative Name	GP5; Major structural glycoprotein; LDV Plagemann GP5; Lactate dehydrogenase elevating virus Plagemann
Gene ID	4783126
UniProt	Q83022
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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