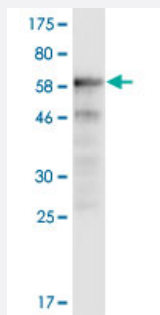


EV71 VP1 monoclonal antibody, clone 3D7

Catalog # MAB1255-M05

Size 100 ug

Applications



Western Blot detection against EV71 VP1 (59.07 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant virus EV71 VP1.
Immunogen	EV71 VP1 (AAP82198.1, 1 a.a. ~ 297 a.a) recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GDRVADVIESSIGDSVSRALTQALPAPTGQNTQVSSHRLDTGEVPALQAAEIGASSNTSDESMIET RCVLNSHSTAETTLDSFFSRAGLVGEIDLPLEGTTNPNGYANWDIDITGYAQMRKVELFTYMRFD AEFTFVACTPTGGVVPQLLQYMFVPPGAPKPD SRESLAWQTATNPSVFVKLTDPQAQVSVPFM SPASAYQWFYDGYPTFGEHKQEKDLEYGACPNMMGTFSVRTVGSSKSKYPLVVRIMRMKHV RAWIPRPMRNQNYLFKANPNYAGNSIKPTGTSRTAITTL
Host	Mouse
Reactivity	Viruses
Form	Liquid
Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against EV71 VP1 (59.07 KDa) .
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Publication Reference

- [Construction and characterization of an infectious cDNA clone of enterovirus 71: a rapid method for rescuing infectious virus based on stable cells expressing T7 polymerase.](#)

Meixian Fu, Jinjin Bai, Shuang Gao, Zhangmei Chang, Xin Zhou, Jian-Er Long.

Archives of Virology 2021 Feb; 166(2):627.

Application: IF, Human, SH-SY5Y cells

- [Enterovirus A71 VP1 Variation A289T Decreases the Central Nervous System Infectivity via Attenuation of Interactions between VP1 and Vimentin In Vitro and In Vivo.](#)

Zhu H, Cao Y, Su W, Huang S, Lu W, Zhou Y, Gao J, Zhao W, Zhang B, Wu X.

Viruses 2019 May; 11(5):E467.

Application: WB, Human, Human brain microvascular endothelial cells

- [Characteristics of Enterovirus 71-induced cell death and genome scanning to identify viral genes involved in virus-induced cell apoptosis.](#)

Bai J, Chen X, Liu Q, Zhou X, Long JE.

Virus Research 2019 Mar; 265:104.

Application: WB, Human, HeLa, SH-SY5Y, RD cells

- [Cloning and Expression of Enterovirus 71 Capsid Protein 1 in a Probiotic Bifidobacterium pseudocatenulatum.](#)

Thinbanmai T, Lulitanond V, Mayo B, Lulitanond A, Panya M.

Letters in Applied Microbiology 2019 Jan; 68(1):9.

Application: WB, Recombinant protein

- [Enterovirus 71 protease 2Apro and 3Cpro differentially inhibit the cellular endoplasmic reticulum-associated degradation \(ERAD\) pathway via distinct mechanisms, and enterovirus 71 hijacks ERAD component p97 to promote its replication.](#)

Wang T, Wang B, Huang H, Zhang C, Zhu Y, Pei B, Cheng C, Sun L, Wang J, Jin Q, Zhao Z.

PLoS Pathog 2017 Oct; 13(10):e1006674.

Application: IF, WB, Human, Rhabdomyosarcoma (RD) cells

- [Validation-based insertional mutagenesis for identification of Nup214 as a host factor for EV71 replication in RD cells.](#)

Wang B, Zhang X, Zhao Z.

Biochemical and Biophysical Research Communications 2013 Aug; 437(3):452.

Application: WB, Human, RD cells