bs-2297R **[Primary Antibody]**

EV71 VP1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: EV71 VP1

Immunogen: KLH conjugated synthetic peptide derived from EV71 polyprotein VP1: 751-850/2193.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Enteroviruses, such as enterovirus 71, are classified to be in the picornavirus family, pico [small] + RNA [ribonucleic acid] + virus. Picornaviruses are among the smallest and simplest ribonucleic acid containing viruses known (1). The RNA for many enteroviruses have now been cloned and complete genomic sequences have been obtained. The RNA from all sequenced enteroviruses are similar in length, about 7400 nucleotides, and have identical organization (1). The human alimentary tract is the predominant site of enterovirus replication and these viruses were first isolated from enteric specimens. These viruses are the cause of paralytic poliomyelitis, aseptic meningitis-encephalitis, myocarditis, pleurodynia, hand-foot-and-mouth disease, conjunctivitis, and numerous other syndromes associated with extra-intestinal target organs. There are 67 numbered types of enteroviruses in the enterovirus family (1): three polioviruses, twenty-three coxsackieviruses A, six coxsackieviruses B, thirty-one echoviruses, and four other enteroviruses.

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Enterovirus 71)

Predicted MW.: 33/351 kDa

SELECTED CITATIONS

- **[IF=5.5]** Wei Zhang. et al.RING finger protein 5 is a key anti-FMDV host factor through inhibition of virion assembly.PLOS PATHOGENS.2025 Jan 17;21(1):e1012848. Immunoblot,IF ;Mouse. 39823440
- **[IF=3.8]** Zheng-Xun Li. et al. Plasminogen deficiency reduces disease severity and immune responses in enterovirus A71-infected mice. MICROBIOL SPECTR. 2025 五月 16 WB,IHC ;Mouse,Human. 40377310
- **[IF=3.192]** Wang et al. Intrinsic apoptosis and proinflammatory cytokines regulated in human astrocytes infected with enterovirus 71. (2015) J.Gen.Viro. 96:3010-22 ICC ;Human. 26296773