



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Rabbit anti-Enterovirus 71-VP1 antibody

**Catalog No:**  
130-10014

**Isotype:**  
Rabbit Ig G

**Species:**  
Virus

**Accession No:**  
AAX21195

### Description

Enterovirus 71 (EV-71) is notable as one of the major causative agents for hand, foot and mouth disease (HFMD), and is sometimes associated with severe central nervous system diseases. To date, little is known about the molecular mechanisms of host response to EV71 infection, but increases in the level of mRNAs encoding chemokines, proteins involved in protein degradation, complement proteins, and proapoptosis proteins have been implicated.

### Applications

**Table Summary of antibody applications and working conditions**

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	*			1:80000(at least detecting 12.5ng/ml)
Western Blotting	+			To be defined
Immunohistology - paraffin			#	
Immunohistology - resin			#	
Immunoprecipitation			#	
Flow Cytometry			#	
Neutralization			#	

**Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application**

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### **Preparation**

Immunogen was a recombinant protein of human enterovirus 71-VP1 expressed in E.Coli. This antibody was produced from a rabbit immunized with the immunogen. The IgG fraction was purified from rabbit serum followed by Protein A/G affinity chromatography.

### **Specificity**

The rabbit anti-enterovirus 71-VP1 antibody specifically detected target derived from human enterovirus 71-VP1 recombinant protein. The fine specificity to viral protein was not defined.

### **Reconstitution**

Supplied as lyophilized and purified antibody originally containing PBS, without **Preservative Stabilizers**, liking Sodium Azide. *It final concentration is indicated in shipping vial.*

The antibody is stable for at least years from the data of receipt when stored at  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . Reconstituted antibody (suggesting with sterile PBS) can also be aliquotted and stored frozen at  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$  in a manual defrost freezer for months without detectable loss activity. Upon reconstitution, the antibody can be stored at  $4^{\circ}\text{C}$  for 1 month. **Please avoid freeze-thaw cycles.**

### **Storage**

Store at  $-20^{\circ}\text{C}$ , if not intended for use within a month, keep it at  $4^{\circ}\text{C}$  and minimize freezing and thawing when use.

### **Reference**

Mary Jane Cardosa, et al., (2003) Molecular Epidemiology of Human Enterovirus 71 Strains and Recent Outbreaks in the Asia-Pacific Region: Comparative Analysis of the VP1 and VP4 Genes. *Emerg Infect Dis.* 9(4): 462–468

Kung SH, Wang SF, Huang CW, Hsu CC, Liu HF, Yang JY. Genetic and antigenic analyses of enterovirus 71 isolates in Taiwan during 1998-2005. *Clin Microbiol Infect.* 2007

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