

Enterovirus 71 VP1 Neutralizing Antibody



Sino Biological
Biological Solution Specialist

Catalog Number: 40013-H136

General Information	
Clone ID:	H136
Ig Type:	Human IgG1 (from single cell PCR)
Applications:	Microneutralization (MN)
Specificity:	EV Enterovirus 71 VP1
Formulation:	0.2 µm filtered solution in PBS
Storage:	< -20°C

Preparation

This antibody was obtained from human B cells by single-cell reverse transcription polymerase chain reaction (RT-PCR).

Specificity

EV Enterovirus 71 VP1

Has cross-reactivity with EV71 genogroup C and A in cell assay

No cross-reactivity with Coxsackievirus type A16 in cell assay

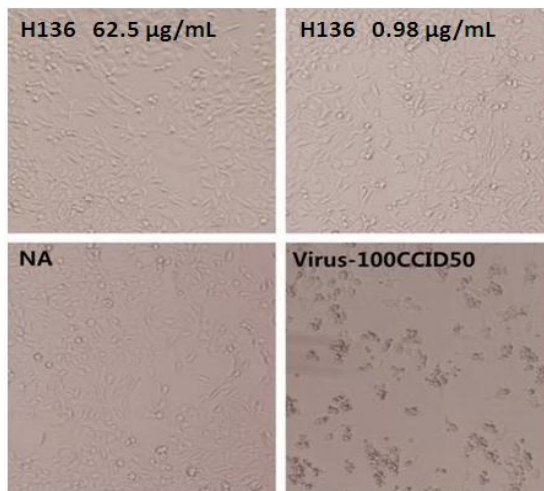
Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. **Preservative-Free.**

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. **Avoid repeated freeze-thaw cycles.**

Applications

Microneutralization (MN) - The EV71 VP1 antibody neutralization activity is Measured by microneutralization assay in vitro. The Neutralization titer (IC₅₀) is typically 0.9766 µg/mL with EV71 genogroup C4 (100CCID₅₀).



The neutralization activity of EV71 VP1 protein Neutralizing Antibody is Measured by Microneutralization test in vitro. The cytopathic effect of RD cells (10E5/well) induced by 100CCID₅₀ EV71 genogroup C4 is neutralized by increasing concentrations of anti EV71 Monoclonal Antibody (Catalog 40013-H136). The IC₅₀ is typically 0.7-1.3 µg/mL. NA: No antibody added.

Validation Experiment