

## Enterovirus D68 VP1 protein, His tag

## Cat. No. GTX138561-pro

<b>Applications</b>	WB, ELISA, Lateral Flow, Sandwich ELISA
<b>Species</b>	Enterovirus D68

Package

100 µg

## PRODUCT

## Summary

Viral envelope protein 1 (VP1) of Enterovirus D68 (EV-D68) is one of four structural proteins required to assemble the icosahedral viral capsid. VP1 is responsible for host cell attachment and viral entry into host cells. In addition, since it is located on the surface of the virion and presents serotype-specific neutralization epitopes, the gene coding for VP1 is important for serotype identification. This E. coli-expressed recombinant EV-D68 VP1 protein is purified using its N-terminal His tag.

## Applications

## Application Note

Recommended antibody pairs for sandwich ELISA:

Capture : GTX644518, Detection : GTX637898.

Please notice that the detection antibody needs to be conjugated to HRP when paired with the capture antibody.

Please contact us for custom HRP-conjugated antibody.

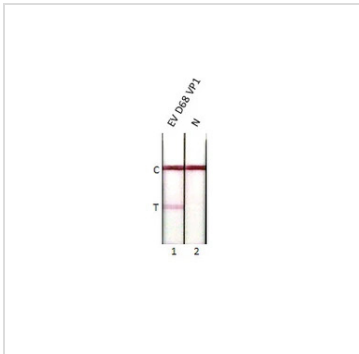
## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 0.1% SDS
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Region/Sequence</b>	N-terminal His tagged full-length Enterovirus D68 VP1 protein (553-861aa of ABL61317.1)
<b>Expression System</b>	E. Coli
<b>Purity</b>	>95%
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.  Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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DATA IMAGES



**GTX138561-pro Lateral Flow Image**

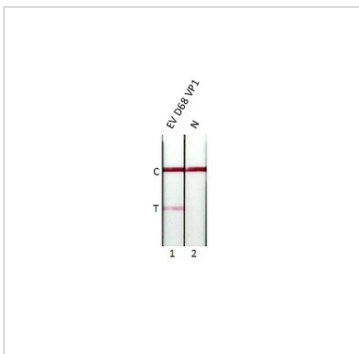
Detection of enterovirus D68 VP1 protein by lateral flow assay using the monoclonal antibody pair.

**Capture:** Enterovirus D68 VP1 antibody (GTX633770 [GT1843])

**Detection:** Enterovirus D68 VP1 antibody (GTX637898 [HL1997])

**Samples (80 ng) :**

1. Enterovirus D68 VP1 protein (GTX138561-pro)
2. Lysis buffer



**GTX138561-pro Lateral Flow Image**

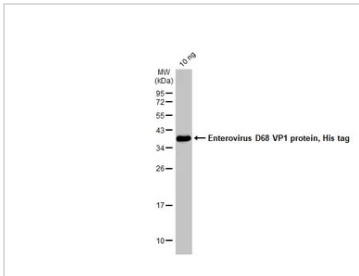
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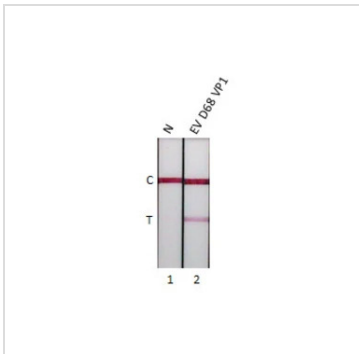
**Samples (80 ng) :**

1. Enterovirus D68 VP1 protein (GTX138561-pro)
2. Lysis buffer



**GTX138561-pro WB Image**

Enterovirus D68 VP1 protein, His tag (10 ng, GTX138561-pro) was separated by 12% SDS-PAGE, and the membrane was blotted with Enterovirus D68 VP1 antibody [HL1997] (GTX637898) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**GTX138561-pro Lateral Flow Image**

Detection of Enterovirus D68 VP1 by lateral flow assay using the monoclonal antibody pair.

**Capture:** Enterovirus D68 VP1 antibody [HL5334] (GTX645812)

**Detection:** Enterovirus D68 VP1 antibody [HL5333] (GTX645811)

**Samples (40 ng) :**

1. Running buffer (N)
2. Enterovirus D68 VP1 protein (GTX138561-pro)



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