Enterovirus D68 VP1 protein, His tag

Cat. No. GTX138561-pro

Applications	WB, Lateral Flow
Species	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

For Lateral Flow, we would recommend the following pairs :
Capture: GTX633770, Detection: GTX637898 or Capture: GTX637898, Detection: GTX633770

Properties

Form	Liquid
Buffer	PBS, 0.1% SDS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70ºC or below. Do not vortex.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Region/Sequence	N-terminal His tagged full-length Enterovirus D68 VP1 protein (553-861aa of ABL61317.1)
Expression System	E. Coli
Purity	>95%
Conjugation	Unconjugated
Note	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.

For full product information, images and publications, please visit our website.

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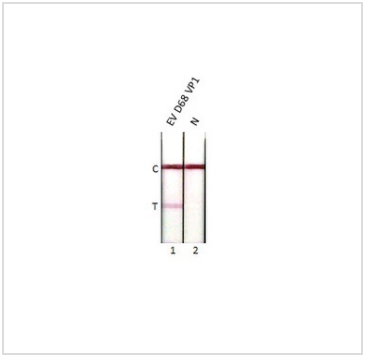
DATA IMAGES

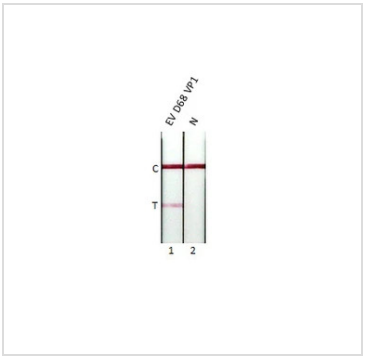


GTX138561-pro Lateral Flow Image

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

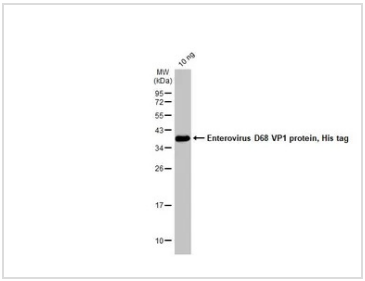


GTX138561-pro Lateral Flow Image

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

Capture: Enterovirus D68 VP1 antibody (GTX637898 [HL1997])
Detection: Enterovirus D68 VP1 antibody (GTX633770 [GT1843])

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.

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