Mpox virus A5L antibody [HL2555]

Cat. No. GTX638927

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Mpox virus, Vaccinia virus

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:10000
ICC/IF	Assay dependent

Not tested in other applications.

Product Note	This antibody was raised against the Mpox virus (MPXV) A5L protein (URK20552.1), which is orthologous to the Vaccinia virus (strain Copenhagen) A4L/A4 protein (P20983).

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full-length Mpox virus A5L recombinant protein. (URK20552.1) #(Mpox virus (MPXV_USA_2022_MA001))
Purification	Affinity purified by Protein A.
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.

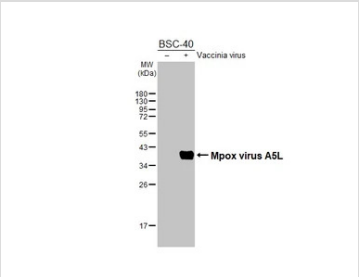
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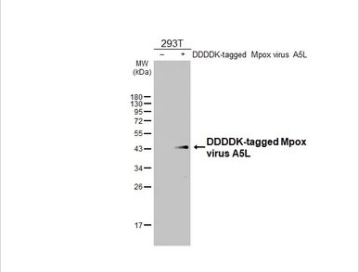
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DATA IMAGES



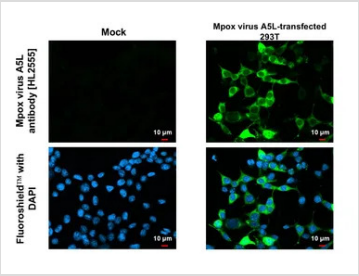
GTX638927 WB Image

Non-infected (–) and infected (+) BSC-40 whole cell extracts (5 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Mpox virus A5L antibody [HL2555] (GTX638927) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody. Vaccinia virus (VACV) was used for antibody validation because key orthopoxvirus proteins are generally very highly conserved. Therefore, when the antibody detects both the VACV and Mpox virus orthologs, Mpox virus nomenclature is used for figure labeling.



GTX638927 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Mpox virus A5L antibody [HL2555] (GTX638927) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX638927 ICC/IF Image

Mpox virus A5L antibody [HL2555] detects Mpox virus A5L protein by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in ice-cold MeOH for 5 min.
Green: Mpox virus A5L stained by Mpox virus A5L antibody [HL2555] (GTX638927) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTX30920).

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