

ASFV p54 antibody [HL1218]

Cat. No. GTX636562

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF, ELISA, Lateral Flow, Sandwich ELISA
Reactivity	African swine fever virus

Package
100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:5000-1:500000
ICC/IF	Assay dependent
ELISA	Assay dependent
Lateral Flow	Assay dependent
Sandwich ELISA	Assay dependent

Note : Capture : GTX635690 / GTX635691 / GTX636563 / GTX636700 / GTX636701, Detection : GTX636562

Capture : GTX636562, Detection : GTX636563.

Please notice that GTX636563 needs to be conjugated to HRP when paired with GTX636562. Please contact us for custom HRP-conjugated antibody.

Not tested in other applications.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of ASFV p54. (African swine fever virus (strain: BA71V))
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated



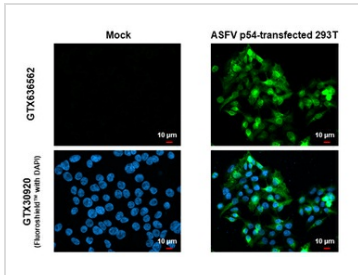
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Note

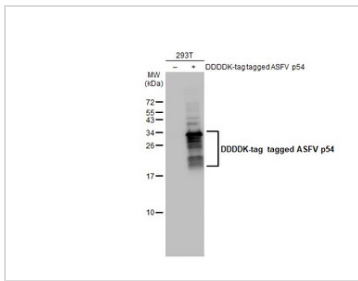
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DATA IMAGES



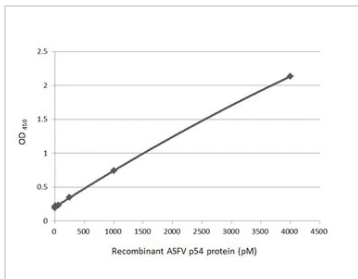
GTx636562 ICC/IF Image

ASFV p54 antibody [HL1218] detects ASFV p54 protein by immunofluorescent analysis.
Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: ASFV p54 stained by ASFV p54 antibody [HL1218] (GTx636562) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTx30920).



GTx636562 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 μg) were separated by 15% SDS-PAGE, and the membrane was blotted with ASFV p54 antibody [HL1218] (GTx636562) diluted at 1:100000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



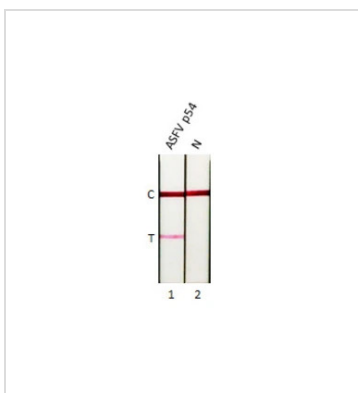
GTx636562 ELISA Image

Sandwich ELISA detection of recombinant ASFV p54 using antibodies as below.

Capture: ASFV p54 antibody [HL1218] (GTx636562) (5 μg/mL)

Detection: HRP-conjugated ASFV p54 antibody [HL1219] (GTx636563) (0.1 μg/mL)

Please notice that GTx636563 needs to be conjugated to HRP to function as the detection antibody when paired with GTx636562. Please contact us for custom HRP-conjugated antibody.



GTx636562 Lateral Flow Image

Detection of HEK293 expressed, ASFV p54 (ECD) protein by lateral flow assay using the monoclonal antibody pair.

Capture: ASFV p54 antibody (GTx635690 [GT853])

Detection: ASFV p54 antibody (GTx636562 [HL1218])

Samples (40 ng) :

1. ASFV p54 (ECD) protein (GTx137950-pro)
2. Lysis buffer



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