

ASFV p54 antibody [GT853]

Cat. No. GTX635690

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IHC-P, ELISA, Lateral Flow, Sandwich ELISA
Reactivity	African swine fever virus

References (1)

★★★★★ Review (1)

Package

100 µl, 25 µl

PRODUCT

Summary

ASFV p54 antibody detects envelope protein p54 of African swine fever virus. Protein p54, encoded by the E183L gene, is a 20 kDa type I transmembrane protein that localizes to envelope precursors derived from the host ER. p54 is involved in intracellular microtubule-dependent transport of viral capsid toward viral factories, and is detected on membrane-like structures within viral factories and mature extracellular virions. This is a valuable mouse monoclonal antibody for research into this very contagious hemorrhagic disease of pigs.

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent
IHC-P	Assay dependent
ELISA	Assay dependent
Lateral Flow	Assay dependent
Sandwich ELISA	Assay dependent

Note : Capture : GTX635690, Detection : GTX636562 / GTX636703

Capture : GTX635690, Detection : GTX135175 / GTX635691

Please notice that GTX635691 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635690. Please contact us for custom HRP-conjugated antibody.

Not tested in other applications.

Calculated MW 20 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No Preservative

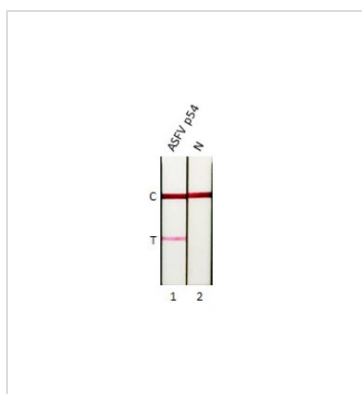


For full product information, images and publications, please visit our [website](#).

Date 2025 / 04 / 15 Page 1 of 2

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 (ASFV (strain: BA71V)). The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated
Note	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>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.</p>

DATA IMAGES



GTX635690 Lateral Flow Image

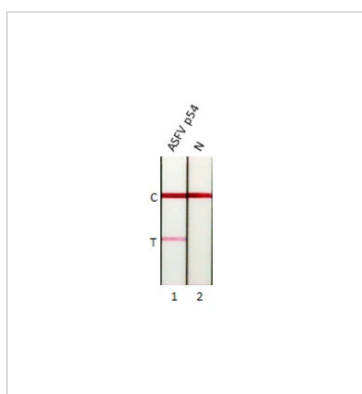
Detection of HEK293 expressed, ASFV p54 (ECD) protein by lateral flow assay using the monoclonal antibody pair.

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



GTX635690 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 (GTX636703 [HL1289])

Samples (40 ng) :

1. ASFV p54 (ECD) protein (GTX137950-pro)
2. Lysis buffer



For full product information, images and publications, please visit our [website](https://www.genetex.com).