

Anti-CHIKV [3E7b] mAb

Catalogue number: 153198

Sub-type:

Images:

Contributor

Inventor:

Institute: A*STAR Accelerate Technologies Pte Ltd

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CHIKV [3E7b] mAb

Alternate name: Chikungunya virus; Chikungunya virus antibody

Class: Monoclonal

Conjugate: Unconjugated

Description: Anti-CHIKV [3E7b] binds strongly to the native CHIKV surface. This monoclonal antibody is also capable of detecting infection of cells. Chikungunya virus (CHIKV) is an alphavirus known to cause severe polyarthritis and polyarthralgia. CHIKV is transmitted to humans by mosquito vectors, primarily *Aedes aegypti* and *Aedes albopictus*. 3E7b potentially neutralises CHIKV replication. Additionally, Anti-CHIKV [3E7b] protected mice from CHIKV disease when administered prior to CHIKV infection.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgM

Reactivity: Virus

Selectivity:

Host: Mouse

Immunogen: Live chikungunya virus

Immunogen UNIPROT ID: Q8JUX5

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Infected BHK cells

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: N218 epitope on E2 protein of CHIKV

Target alternate names:

Target background: Chikungunya virus (CHIKV) is an alphavirus which causes febrile illness with severe polyarthralgia, known to be transmitted to humans by mosquito vectors, primarily *Aedes aegypti* and *A. albopictus*. Symptoms include high fever, asthenia, chills, headache, diarrhoea, vomiting and rash. Since the re-emergence of CHIKV in La Reunion, epidemic outbreaks of CHIKV infection have been reported globally and CHIKV is now considered endemic in 34 countries across Europe, Australia, Asia and Africa.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IHC ; Fn ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-CHIKV [8A2c] ; Anti-CHIKV [6A11] ; Anti-CHIKV [11E7]

References

References:

CancerTools.org