Anti-cyanotoxin (MC-LR) scAb

Catalogue number: 158335
Sub-type: Primary antibody
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-cyanotoxin (MC-LR) scAb

Alternate name: MC-LR, Anti-Microcystin-LR (R66S) scAb

Class: Recombinant
Conjugate: Unconjugated
Description: Microcystins are cyclic heptapeptides implicated in the impairment of liver function in various animals. They have two variable amino acid residues; in the case of the cyanotoxin MC-LR the variable amino acids are Leucine (L) and Arginine (R). Microcystin-LR is the most commonly found cyanotoxin and inhibits protein phosphatase type 1 and type 2A (PP1 and PP2A) activities in the cytoplasm of liver cells, leading to hepatocytic necrosis and haemorrhaging. Chronic exposure to microcystin is a worrying phenomenon as microcystin over an extended period of time can cause cancer through the inhibition of protein phosphatases PP1 and PP2A.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype:
Reactivity:
Selectivity:
Host: Mouse
Immunogen: Microcystin-LR
Immunogen UNIPROT ID: TBC
Sequence:
Growth properties:
Production details:

Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Microcystin-LR

Target alternate names:

Target background: Microcystins are cyclic heptapeptides implicated in the impairment of liver function in various animals. They have two variable amino acid residues; in the case of the cyanotoxin MC-LR the variable amino acids are Leucine (L) and Arginine (R). Microcystin-LR is the most commonly found cyanotoxin and inhibits protein phosphatase type 1 and type 2A (PP1 and PP2A) activities in the cytoplasm of liver cells, leading to hepatocytic necrosis and haemorrhaging. Chronic exposure to microcystin is a worrying phenomenon as microcystin over an extended period of time can cause cancer through the inhibition of protein phosphatases PP1 and PP2A.

Molecular weight:

Ic50:

Applications

Application: ELISA ; WB
Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions: Store at -20° C frozen (best practice). Avoid repeated freeze/thaw cycles. Stable at room temperature in the presence of 20% (v/v) glycerol.
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: