

Anti-Microcystin-LR monoclonal antibody

Catalog: PHY5578

Product Information

Description:	Mouse monoclonal (Clone: 3C9) antibody
Background:	Cyanobacterial toxins can induce toxic effects both in humans and in the environment. Among them, microcystins (MCs) are the best described and most diverse group of cyanobacterial toxins. Moreover, they are the toxins most frequently produced by freshwater cyanobacteria genera. Among so many variants, microcystin-leucine arginine (MC-LR) is the most common and most studied congener, followed by MC-RR (with two arginines at positions 2 and 4). Currently, MC-LR is considered as the reference compound among MCs because of its toxicity and high occurrence.
Synonyms:	MC-LR
Immunogen:	KLH-Microcystin-LR.
Form:	Lyophilized
Quantity:	100 µg
Purification:	Protein A purified
Reconstitution:	Reconstitution with 100 µl of 0.01M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Applications:	ELISA Notes: Optimal dilutions/concentrations should be determined by the end user. Microcystin-LR monoclonal antibody has good specificity, high titer and good sensitivity. The IC ₅₀ value is 0.2ppb.
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Research Use Only