

AM31587PU-N**Monoclonal Antibody to Microcystin-LR - Purified**

Quantity:	1 mg
Concentration:	2.5 mg/ml (OD280nm, E0.1% = 1.4)
Background:	Microcystins are a group of cyclic heptapeptide hepatotoxins (liver toxins) produced by a number of cyanobacterial genera, the most notable of which is the widespread Microcystis from which the toxins take their name. Microcystin-LR is one of over 80 known toxic variants and is the most studied by biologists and ecologists. Once ingested, microcystin travels to the liver, via the bile acid transport system, where most is stored; though some remains in the blood stream and may contaminate tissue. Microcystin binds covalently to protein phosphatases thus disrupting cellular control processes.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	B762M
Immunogen:	Microcystin-LR-BSA conjugate. Hybridization of Sp2/0 myeloma. Cells with spleen cells from BALB/c mice. Source: Ascites
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Protein G Chromatography Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative
Applications:	Indirect ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Specific for Microcystin-LR.
Storage:	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.