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2,4-D(24D1) Mouse mAb

Catalog Number:	bsm-0861M
Target Protein:	2,4-D(24D1)
Concentration:	1mg/ml
Form:	Size : 50ul/100ul/200ul Liquid Size : 200ug (PBS only) Lyophilized Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.
Host:	Mouse
Clonality:	Monoclonal
Clone No.:	24D1
Isotype:	IgG
Applications:	ELISA (1:5000-10000)
Reactivity:	(predicted:2,4-D)
Purification:	affinity purified by Protein G
Storage:	Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	2,4-Dichlorophenoxyacetic acid (2,4-D) is a common systemic herbicide used in the control of broadleaf weeds. It is the most widely used herbicide in the world, and the third most commonly used in North America. 2,4-D is also an important synthetic auxin, often used in laboratories for plant research and as a supplement in plant cell culture media such as MS medium. 2,4-D is a synthetic auxin, which is a class of plant growth regulators. It is absorbed through the leaves and is translocated to the meristems of the plant. Uncontrolled, unsustainable growth ensues causing stem curl-over, leaf withering, and eventual plant death. 2,4-D is typically applied as an amine salt, but more potent ester versions exist as well.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.67] Ding, Junhui, et al. "Piezoelectric immunosensor with gold nanoparticles enhanced competitive immunoreaction technique for 2, 4-dichlorophenoxyacetic acid quantification." Sensors and Actuators B: Chemical 193 (2014): 568-573. ELISA ; ="" . doi:10.1016/j.snb.2013.11.079