bsm-0861M **[Primary Antibody]**

2,4-D(24D1) Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 24D1
Target: 2,4-D(24D1)
Purification: affinity purified by Protein G
Concentration: 1mg/ml
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.

Applications: **ELISA** (1:5000-10000)
Reactivity: Species independent

SELECTED CITATIONS

- **[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