User Guide

Anti-Dinitrophenyl, Clone SPE-7

Mouse Monoclonal

D8406

Product Description

Anti-Dinitrophenyl (Mouse Monoclonal) is derived from the hybridoma SPE-7 produced by the fusion of mouse myeloma cells and splenocytes from a mouse immunized with DNP-KLH.[1] The antibody is affinity purified using immobilizes DNP on agarose.

Monoclonal Anti-Dinitrophenyl (DNP) is specific for DNP as determined by ELISA.

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide.

Antibody concentration: ~ 1 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, the product may be stored at 2-8 °C for up to one month. For extended storage, freeze at –20 °C in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

ELISA: a working antibody concentration of 0.05-0.1 µg/mL is determined using 0.5 µg/well DNPBSA as the coating antigen, and 1µg/mL Monoclonal Anti-Mouse IgE-Peroxidase as the detector antibody.

Note: To obtain best results in different techniques and preparations, determine the optional working concentration by titration test.

References

Eshhar, Z., et al., *J. Immunol.*, **124**, 775-780 (1980).

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