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Product Information

Monoclonal Anti-Dinitrophenyl, Clone SPE-7
produced in mouse, purified immunoglobulin

Catalog Number **D8406**

Product Description

Monoclonal Anti-Dinitrophenyl (mouse IgE isotype) 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 isotype is determined by a double diffusion assay using immunoglobulin and subclass specific antisera.

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 DNP-BSA as the coating antigen, and 1µg/mL Monoclonal Anti-Mouse IgE-Peroxidase as the detector antibody.

Note: In order to obtain best results in different techniques and preparations we recommend determining optional working concentration by titration test.

References

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

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