

Product Datasheet

Malate Dehydrogenase Activity Assay Kit (Fluorometric) NBP2-59750

Unit Size: 100 Assays

Store at -20C in the dark. Avoid freeze-thaw cycles.

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NBP2-59750**Malate Dehydrogenase Activity Assay Kit (Fluorometric)**

Product Information	
Unit Size	100 Assays
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C in the dark. Avoid freeze-thaw cycles.
Product Description	
Description	<p>This kit provides a quick and easy method for monitoring MDH activities in a wide variety of samples. In this assay, MDH converts malate into intermediate products, which will further react with the Probe forming a fluorophore. Detection method: Fluorescence (Ex/Em = 535/587nm). The kit is simple, sensitive and high-throughput adaptable and can detect as low as 40 uU of MDH activity.</p> <p>Suitable for the analysis of citric acid cycle and malate-asparate shuttle Can be used with animal heart, liver, muscle tissues Can be used with purified mitochondria Can be used with adherent or suspension cell cultures</p> <p>This product is manufactured by Abcam and distributed by Novus Biologicals. (Abcam Catalog Number: ab235593)</p>
Species	Mammal
Kit Components	MDH Assay Buffer, MDH Substrate, Probe, MDH Developer, NADH Standard, MDH Positive Control
Suitable Sample Type	Various biological samples (tissues, cells)

Images

Malate Dehydrogenase Activity Fluorometric Assay Kit [NBP2-59750]

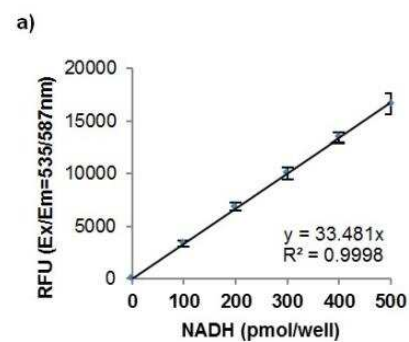


Figure: (a) NADH Standard Curve

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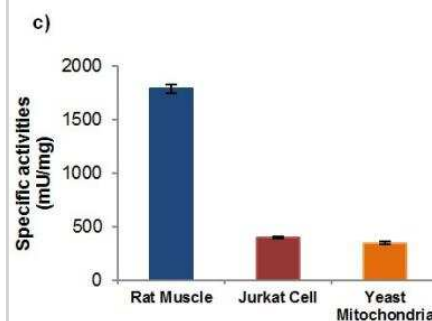


Figure: (c) Specific MDH activities in rat muscle extract, Jurkat cell lysate and yeast Mitochondria. Assays were performed following the kit protocol

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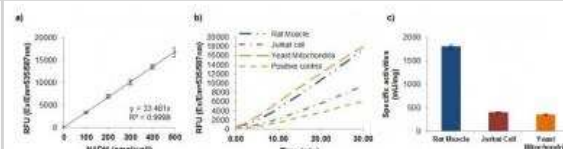


Figure: (a) NADH Standard Curve, (b) Malate Dehydrogenase activity in rat muscle extract (5.014 µg protein), Jurkat cell lysate (5.015 µg protein), Ratchoyompor Mitochondria (5.015 µg), & NADH positive control, (c) Specific MDH activities in rat muscle extract, Jurkat cell lysate and yeast Mitochondria. Assays were performed following the kit protocol



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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