



## Mitochondrial Aldehyde Dehydrogenase Activity Assay kit

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Mitochondrial aldehyde dehydrogenase 2 (ALDH2) belongs to the aldehyde dehydrogenase protein family, which exists in many tissues, especially the liver. This enzyme is mainly involved in the second step of ethanol metabolism process, which oxidizes acetaldehyde into carboxylic acid in mitochondria, and then enters the tricarboxylic acid cycle, which is completely decomposed to remove the toxic effect of acetaldehyde on organisms. In addition, ALDH2 can also participate in the metabolism of nitroglycerin as an esterase, and is an important bioactive agent of nitroglycerin. ALDH2 catalyzes the conversion of acetaldehyde and NAD<sup>+</sup> to acetic acid and NADH, and the activity of ALDH2 can be calculated by using the change of absorption value of NADH at 340nm.

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| Catalog No.       | 250551                 |
| Size              | 50 Assays / 100 Assays |
| Product Category  | Colorimetric Assay     |
| Storage/Stability | -20°C/6 months         |
| Shipping          | Gel Packs              |