

## Adenosine Deaminase (ADA) Assay Kit

Catalogue No.: abx090675

Adenosine Deaminase (ADA) Assay Kit for detection the activity of ADA in serum, plasma or tissue homogenates using a microplate reader. Adenosine deaminase (ADA) can hydrolyze the substrate adenosine to form hypoxanthine riboside, which is hydrolyzed by purine riboside phosphatase to produce hypoxanthine and phosphate ribose. Under the action of xanthine oxidase, hypoxanthine produces hydrogen peroxide, which produces a red colored reaction product under the action of peroxidase, 4-aminotepyrine and color source. The reaction product has a maximum absorption peak at 550 nm and the change in absorbance over time is proportional to the activity of ADA.

**Target:** Adenosine Deaminase (ADA)

**Reactivity:** General

**Storage:** Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

**Validity:** The validity for this kit is 12 months.

**Test Range:** 0.03 U/L - 99 U/L

**Sensitivity:** 0.03 U/L

**Detection Method:** Colorimetric

**Assay Data:** Quantitative

**Sample Type:** Serum, plasma and tissue homogenates.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.