

## Catalase (CAT) Assay Kit

Catalogue No.: abx294001

Catalase Assay Kit for measuring the activity of catalase (CAT) in serum, plasma, tissue homogenates and cell lysates using a spectrophotometer. CAT catalyses the decomposition of hydrogen peroxide ( $\text{H}_2\text{O}_2$ ) to water ( $\text{H}_2\text{O}$ ) and oxygen ( $\text{O}_2$ ). CAT activity is inhibited by ammonium molybdate. Any remaining  $\text{H}_2\text{O}_2$  reacts with ammonium molybdate to produce a yellowish complex. The absorbance can be measured at 405 nm to determine the activity.

The 96 tests size requires 100 tubes.

**Target:** Catalase (CAT)

**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:** 0.27 U/ml - 155.4 U/ml

**Sensitivity:** 0.27 U/ml

**Detection Method:** Colorimetric

**Assay Data:** Quantitative

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

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