

## Product Datasheet

### Human ALDH7A1(Aldehyde Dehydrogenase 7 Family, Member A1) ELISA Kit (orb1950092)

**Description**

Human ALDH7A1(Aldehyde

A1) ELISA Kit

**Reactivity**

Human

**Range**

0.78-50 ng/mL

**Note**

For research use only

**Application notes**

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human ALDH7A1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human ALDH7A1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human ALDH7A1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of Human ALDH7A1 in the samples is then determined by comparing the OD of the samples to the standard curve.

**Sample Types**

serum, plasma, saliva, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

**Uniprot ID**
**P49419**
**Sensitivity**

0.28 ng/mL

**Expiration Date**

Please enquire.