

## Product Datasheet

### Mouse Phospho AKT S473 (p-AKT) ELISA Kit (orb1736551)

**Catalog Number** orb1736551

**Description** 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 Mouse p-AKT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse p-AKT. 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 Mouse p-AKT, 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Mouse p-AKT in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Mouse

**Range** 156.25-10000 pg/mL

**Concentration** 10000 pg/mL

**Note** For research use only

**Application notes** standard: 10000 pg/mL. Test principle: 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 Mouse p-AKT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse p-AKT. 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 Mouse p-AKT, 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Mouse p-AKT in the samples is then determined by comparing the OD of the samples to the standard curve

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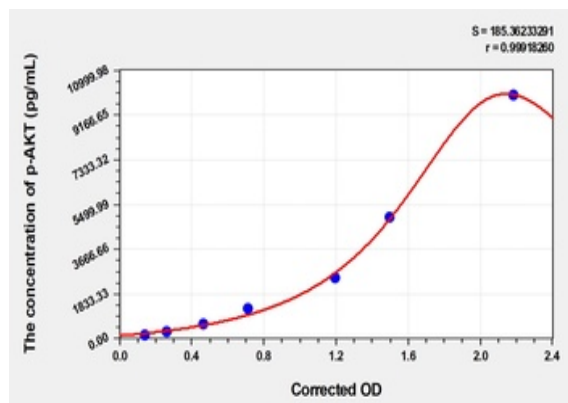
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<b>Sample Types</b>	tissue homogenates, cell lysates and other biological fluids
<b>Assay Time</b>	3.5h
<b>Sensitivity</b>	49.6 pg/mL
<b>Expiration Date</b>	Please enquire.

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