

## Product Datasheet

# Mouse phospho-Insulin Receptor, $\beta$ Subunit (pTyr1162/1163) ELISA Kit (orb1736570)

**Catalog Number** orb1736570

**Category** Assays and Kits

**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 IR (Phospho) [pY1162/1163]. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse IR (Phospho) [pY1162/1163]. 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 IR (Phospho) [pY1162/1163], 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 IR (Phospho) [pY1162/1163] in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Mouse

**Concentration** 100 U/mL

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### Application notes

standard: 100 U/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 IR (Phospho) [pY1162/1163]. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse IR (Phospho) [pY1162/1163]. 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 IR (Phospho) [pY1162/1163], 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 ± 10nm. The concentration of Mouse IR (Phospho) [pY1162/1163] in the samples is then determined by comparing the OD of the samples to the standard curve

### Assay Type

Sandwich

### Assay Time

3.5h

### Range

1.57-100 U/mL

### Sensitivity

0.68 U/mL

### Sample Types

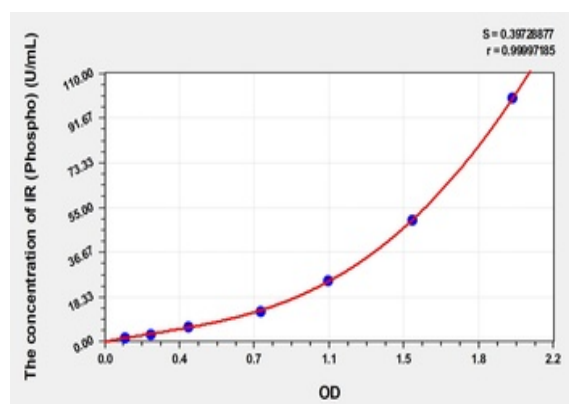
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

### Note

For research use only

### Expiration Date

6 months from date of receipt.



Standard curve for orb1736570 ELISA kit.

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