

Product Datasheet

Rat Autophagy Related Protein 5 (ATG5) ELISA Kit (orb1736773)

Catalog Number	orb1736773
Category	Assays and Kits
Description	<p>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 Rat ATG5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat ATG5. 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 Rat ATG5, 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 Rat ATG5 in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Rat
Concentration	5000 pg/mL
UniProt ID	Q3MQ06

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Application notes

standard: 5000 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 Rat ATG5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat ATG5. 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 Rat ATG5, 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 Rat ATG5 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

78.13-5000 pg/mL

Sensitivity

27.4 pg/mL

Sample Types

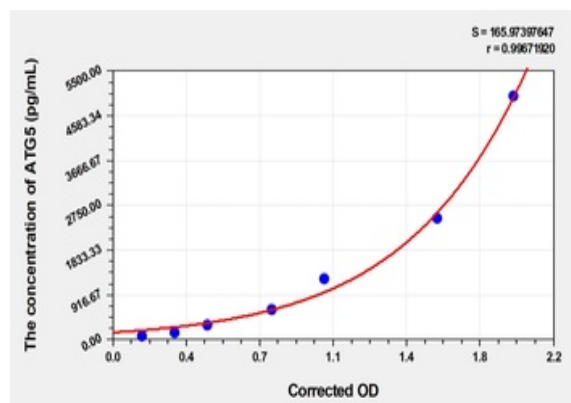
serum, plasma, tissue homogenates and other biological fluids

Note

For research use only

Expiration Date

6 months from date of receipt.



Standard curve for orb1736773 ELISA kit.

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