

Product Datasheet

Rat Mitofusin 2 (MFN2) ELISA Kit (orb2308040)

Catalog Number orb2308040

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 Rat MFN2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat MFN2. 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 MFN2, 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 Rat MFN2 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Rat

Concentration 10 ng/mL

UniProt ID **Q8R500**

Application notes standard: 10 ng/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 MFN2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat MFN2. 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 MFN2, 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 Rat MFN2 in the samples is then determined by comparing the OD of the samples to the standard curve

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Assay Type	Sandwich
Assay Time	3.5h
Range	0.16-10 ng/mL
Sensitivity	0.071 ng/mL
Sample Types	tissue homogenates, cell lysates and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.

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