

Product Datasheet

Mouse Peptidyl Arginine Deiminase Type II (PADI2) ELISA Kit (orb1736465)

Catalog Number	orb1736465
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 Mouse PADI2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse PADI2. 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 PADI2, 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 Mouse PADI2 in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Mouse
Concentration	6000 pg/mL
UniProt ID	Q08642

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Application notes

standard: 6000 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 PADI2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse PADI2. 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 PADI2, 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 Mouse PADI2 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

93.75-6000 pg/mL

Sensitivity

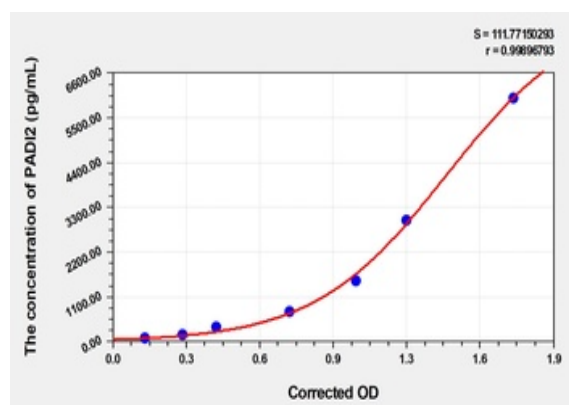
35.74 pg/mL

Sample Types

Tissue homogenates, cell lysates and other biological fluids.

Note

For research use only

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