

## Product Datasheet

### Mouse Calprotectin (CALP) ELISA Kit (orb1146715)

<b>Catalog Number</b>	orb1146715
<b>Category</b>	Assays and Kits
<b>Description</b>	<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 Calprotectin(CALP). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Calprotectin(CALP). 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 Calprotectin(CALP), 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 <math>\pm</math> 10nm. The concentration of Calprotectin(CALP) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Mouse
<b>Concentration</b>	200 ng/mL
<b>Application notes</b>	<p>standard: 200 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 Mouse CALP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse CALP. 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 CALP, 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 <math>\pm</math> 10nm. The concentration of Mouse CALP in the samples is then determined by comparing the OD of the samples to the standard curve</p>

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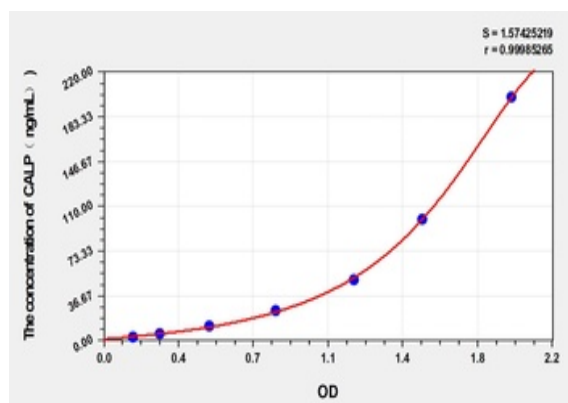
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<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	3.5h
<b>Range</b>	3.13-200 ng/mL
<b>Sensitivity</b>	1.92 ng/mL
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
<b>Note</b>	For research use only
<b>Expiration Date</b>	Please enquire.



Standard curve for orb1146715 ELISA kit.

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