

## Product Datasheet

### Dog Procalcitonin (PCT) ELISA Kit (orb1146820)

<b>Catalog Number</b>	orb1146820
<b>Category</b>	Assays and Kits
<b>Description</b>	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 Procalcitonin (PCT). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Procalcitonin (PCT). 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 Procalcitonin (PCT), 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 Procalcitonin (PCT) in the samples is then determined by comparing the OD of the samples to the standard curve.
<b>Reactivity</b>	Canine
<b>Concentration</b>	2000 pg/mL
<b>Application notes</b>	standard: 2000 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 Dog PCT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog PCT. 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 Dog PCT, 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 Dog PCT in the samples is then determined by comparing the OD of the samples to the standard curve

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<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	3.5h
<b>Range</b>	31.25-2000 pg/mL
<b>Sensitivity</b>	12.1 pg/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

