

## Product Datasheet

# Dog Interleukin 1 Receptor Antagonist (IL1RA) ELISA Kit (orb779742)

<b>Catalog Number</b>	orb779742
<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 Interleukin 1 Receptor Antagonist(IL1RA).
<b>Reactivity</b>	Canine
<b>Concentration</b>	2000 pg/mL
<b>UniProt ID</b>	<b>Q9BEH0</b>
<b>Tested applications</b>	ELISA
<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 IL1RA. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog IL1RA. 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 IL1RA, 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 Dog IL1RA in the samples is then determined by comparing the OD of the samples to the standard curve
<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	3.5h

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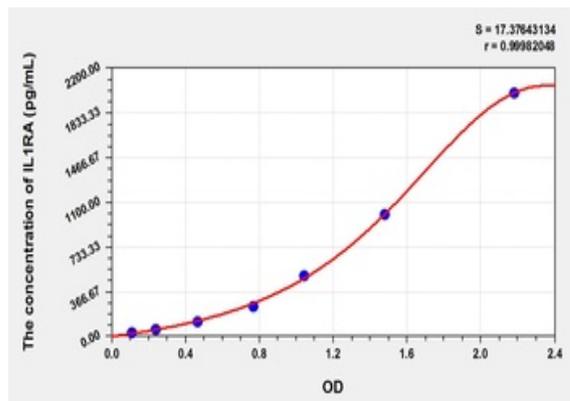
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<b>Range</b>	31.25-2000 pg/mL
<b>Sensitivity</b>	12.7 pg/mL
<b>Sample Types</b>	Serum, plasma, tissue homogenates and other biological fluids
<b>Note</b>	For research use only

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