Product Datasheet

Dog Interleukin 22 (IL22) ELISA Kit (orb1736699)

Catalog Number	orb1736699
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 Dog IL22. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog IL22. 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 IL22, 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 IL22 in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Canine
Concentration	1000 pg/mL
Application notes	standard: 1000 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 IL22. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog IL22. 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 IL22, 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 IL22 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich

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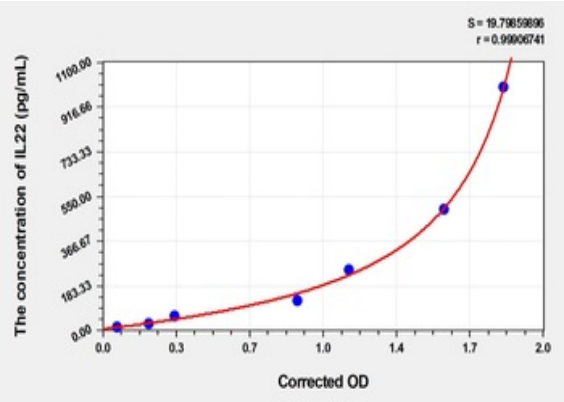
Assay Time	3.5h
Range	15.63-1000 pg/mL
Sensitivity	7.41 pg/mL
Sample Types	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.



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