

Product Datasheet

Pigeon Immunoglobulin G (IgG) ELISA Kit (orb1088225)

Catalog Number orb1088225

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 Immunoglobulin G(IgG). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Immunoglobulin G(IgG). 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 Immunoglobulin G(IgG), 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 Immunoglobulin G(IgG) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Aves

Concentration 50 μ g/mL

Application notes standard: 50 μ g/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 Pigeon IgG. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pigeon IgG. 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 Pigeon IgG, 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 Pigeon IgG in the samples is then determined by comparing the OD of the samples to the standard curve

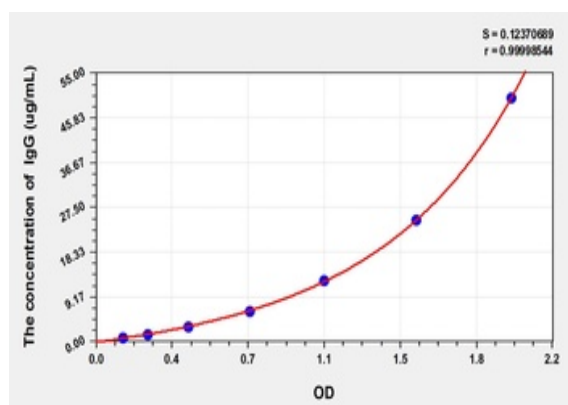
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Assay Type	Sandwich
Assay Time	3.5h
Range	0.79-50 ug/mL
Sensitivity	0.38 ug/mL
Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Note	For research use only

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