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ELISA Kit for Immunoglobulin A (IgA)

Catalog No: tcue1645

Available Sizes

Size: 96T

Specifications

Research Area:
Infection immunity;Immune molecule;Hematology;Pulmonology;

Species Reactivity:
Rattus norvegicus (Rat)

Sample Type:
serum, plasma and other biological fluids

Sensitivity:
The minimum detectable dose of this kit is typically less than 22.85pg/mL

Detection Range:
46.88-3000pg/mL

Assay Time:
3h

Detection Method:
Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:
ELISA

SwissProt:
P20760

Test Principle

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated

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