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ELISA Kit for Intercellular Adhesion Molecule 1 (ICAM1)

Catalog No: tcue65

Available Sizes

Size: 96T

Specifications

Research Area:
CD & Adhesion molecule;Tumor immunity;Infection immunity;

Species Reactivity:
Mus musculus (Mouse)

Sample Type:
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Sensitivity:
The minimum detectable dose of this kit is typically less than 0.119ng/mL

Detection Range:
0.312-20ng/mL

Assay Time:
3h

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

Tested Application:
ELISA

SwissProt:
P13597

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 Intercellular Adhesion Molecule 1 (ICAM1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Intercellular Adhesion Molecule 1 (ICAM1). 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 Intercellular Adhesion Molecule 1 (ICAM1), 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 Intercellular Adhesion Molecule 1 (ICAM1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.