

MOUSE ADIPONECTIN ELISA KIT

Catalog number

Mouse Adiponectin ELISA Kit.....80569

Intended use

A high quality enzymatic assay for the quantification of mouse adiponectin in serum, plasma, and fluid.

Test principle

Crystal Chem's Mouse Adiponectin ELISA kit is an ELISA sandwich assay for mouse adiponectin. The adiponectin in the mouse samples binds to the first antibody coated on the microtiter plate. In the following step, the second specific antibody binds in turn to the immobilized adiponectin. The second antibody is biotinylated and forms a complex with a streptavidin-peroxidase-enzyme conjugate. In the closing substrate reaction, the adiponectin levels of the samples can be measured by color intensity.

Specifications

Sample Types	Serum, Plasma, and Fluid
Assay Time	2.5 hours
Range (Serum)	0.025 - 1 ng/mL
Sample Size	5 μ L
Precision	CV < 10 %
Sensitivity	0.008 ng/mL

Highlights

- ✓ Kits use only 5 μ L sample
- ✓ Wide dynamic range
- ✓ High sensitivity (8 pg/mL)
- ✓ Optimized for mouse samples

Summary of protocol

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graph TD
    A[Add 100  $\mu$ L diluted sample (1:10,000) to well plate] --> B[Incubate for 1 hour with shaking at 350 RPM]
    B --> C[Wash plate]
    C --> D[Add 100  $\mu$ L antibody conjugate]
    D --> E[Incubate for 1 hour with shaking at 350 RPM]
    E --> F[Wash plate]
    F --> G[Add 100  $\mu$ L substrate solution]
    G --> H[Incubate for 30 minutes]
    H --> I[Add 100  $\mu$ L stop solution]
    I --> J[Measure OD at 450/630 nm]
  
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