Mouse IgE/Immunoglobulin E ELISA Kit

E45K00024

Catalog Number:E45K00024

Species Reactivity: Mouse

Storage: Store at +4°C. Please refer to protocols.

Cite ID#:EN5520475

Type: Mouse ELISA Kits (Murine)

Research Field: Immunology

Description: Mouse IgE/Immunoglobulin E ELISA Kit is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit designed for the quantitative measurement of IgE in biological samples. Our rigorously validated, ready-to-go Mouse IgE/Immunoglobulin E ELISA Kit use a simple protocol that easily integrates into your current processes, allowing you to rapidly and accurately detect IgE in your samples. Appropriate sample types may include Cell Culture Supernates, Serum, Platelet-poor EDTA Plasma, Platelet-poor Heparin Plasma, Urine. Precision Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested several times on one plate to assess intra-assay precision. Inter-Assay Precision (Precision between assays): Three samples of known concentration were tested in several separate assays to assess inter-assay precision. Assays were performed by at least two technicians using two lots of components.

Assay type: Sandwich

Detection principle: Spectrophotometrical

Sample type: This immunoassay kit allows for the in vitro quantitative determination in Serum, plasma, tissue homogenates, cell culture supernates and other biological fluids.

Sensitivity:0.65 ng/mL

Assay range:1.56-100 ng/mL

Kit components: Assay Plate, Standard, Sample Diluent, Assay Diluent A&B, Detection Reagent A&B, Wash Buffer, Substrate, Stop Solution.

Other reagents required: Deionized or distilled water

Gene Name: IgE

Function: Although IgE is typically the least abundant isotype - blood serum IgE levels in a normal ("non-atopic") individual

are only 0.05% of the Ig concentration, compared to 10?mg/ml for the IgGs (the isotypes responsible for most of the classical adaptive immune response) - it is capable of triggering the most powerful inflammation reactions.

Form:ELISA Kits