

470267

**IgE BioAssay™ ELISA Kit (Rabbit)**

**Kit Type**

Sandwich ELISA

**Tests**

100

**Sensitivity**

<0.8ng/ml

**Detection Method**

Colorimetric

**Detection Range**

3-400ng/ml

**Sample Matrix**

Serum, plasma, urine, cell culture samples, biological fluids.

**EU Commodity Code**

38220000

**Shipping Temp**

Blue Ice

**Storage Temp**

4°C

Immunoglobulin E (IgE) is a type of antibody that has only been found in mammals. IgE is synthesised by plasma cells. IgE's main function is immunity to parasites. It has an essential role in type I hypersensitivity, such as allergic asthma, most types of sinusitis, allergic rhinitis, food allergies, and specific types of chronic urticaria and atopic dermatitis. IgE also plays a pivotal role in responses to allergens, such as: anaphylactic drugs, bee stings, and antigen preparations used in desensitization immunotherapy.

**Sample Type**

Serum, plasma, urine, cell culture samples, biological fluids.

**Intended Use**

This ELISA kit is used for in vitro quantitative determination of IgE.

**Sensitivity**

<0.8ng/ml

**Range**

3-400ng/ml

**Specificity**

Rabbit, no significant cross-reactivity or interference between this analyte and its analogues was observed.

**Precision**

Intra-Assay: <10% Inter-Assay: <12%

**Test Principle**

This IgE BioAssay™ ELISA kit is a sandwich ELISA assay for the quantitative measurement of IgE in rabbit serum, plasma and cell culture supernatants in 90 minutes. The density of color is proportional to the amount of IgE captured from the samples.

**Kit Components**

Micro ELISA strip-plate Standard (360ng/ml), 1x500ul Standard diluent, 1x1.5ml HRP- Conjugate reagent, 1x6ml Sample diluent, 1x6ml Chromogen Solution A, 1x6ml Chromogen Solution B, 1x6ml Stop Solution, 1x6ml Wash buffer (30X), 1x20ml Plate sealers

**Storage and Stability**

Store powder at 4°C liquid at -20°C. Store other components at 4°C. Stable for 6 months For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

**Intended for research use only. Not for use in human, therapeutic, or diagnostic applications.**

**References**

No references available