abcam

Product datasheet

Mouse IgE ELISA Kit ab157718

★★★★★ 2 Abreviews 22 References 3 图像

概述

产品名称 小鼠IgE ELISA试剂盒

检测方法 Colorimetric

精确度 批次内 样品 Mean SD CV%

> Overall < 10%

批次间

样品 SD CV% Mean Overall < 10%

样品类型 Serum, Plasma, Other biological fluids

检测类型 Sandwich (quantitative)

灵敏度 1.83 ng/ml

范围 6.25 ng/ml - 400 ng/ml

回收率 特定样本回收率

样 品类型	平均%	范围
Serum	> 85	% - %

实验步骤 Multiple steps standard assay

种属反应性 与反应: Mouse

产品概述 Abcam's IgE Mouse ELISA kit is an in vitro enzyme-linked immunosorbent assay (ELISA) for the quantitative measurement of IgE in biological samples of mice.

In this assay the IgE present in samples reacts with the anti-IgE antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-IgE antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound IgE. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of IgE in the sample tested; thus, the absorbance, at 450 nm,

is a measure of the concentration of IgE in the test sample. The quantity of IgE in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution.

平台

性能

存放说明

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

Microplate

组 件	1 x 96 tests
100X HRP-conjugated anti-mouse lgE antibody	1 x 150µl
20X Wash Buffer Concentrate	1 x 50ml
5X Diluent Concentrate	1 x 50ml
Chromogen Substrate Solution	1 x 12ml
Mouse IgE Calibrator (Lyophilized)	1 vial
Mouse IgE ELISA Microplate	1 unit
Stop Solution	1 x 12ml

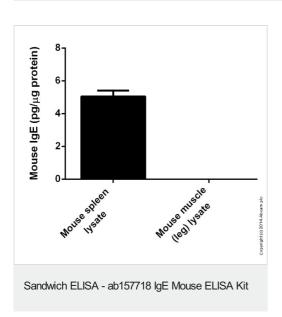
相关性

IgE is the class of antibodies produced in the lungs, skin, and mucous membranes. It may protect against parasite invasion, but it is a major factor in allergic reactions. The antigen-specific IgE interacts with mast cells and eosinophils, triggers the release of histamine, leukotrienes and other substances that lead to the itching, sneezing and congestion of allergies - and the life threatening respiratory distress of asthma and anaphylactic shock.

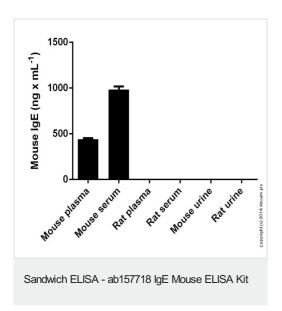
细胞定位

Secreted

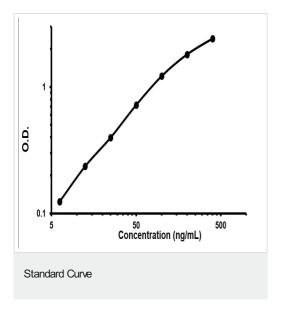
图片



Mouse IgE measured in tissue lysates showing quantity (pg) per microgram of protein



Mouse IgE measured in biologicals showing quantity (ng) per mL of tested sample



Representative standard curve using ab157718.

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