

Datasheet for ABIN4986922
IgE ELISA Kit



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1 Image

Overview

Quantity:	96 tests
Target:	IgE
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.31-20.0 ng/mL
Minimum Detection Limit:	0.31 ng/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin), Plasma (citrate), Plasma (EDTA)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Natural and recombinant Mouse IgE Ligand
Sensitivity:	156 pg/mL
Material not included:	• Microplate reader. • Pipettes and pipette tips. • EP tube Deionized or distilled water.

Target Details

Target:	IgE
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Target Details

Abstract:	IgE Products
Background:	There are five classes of mammalian immunoglobulins: IgA, IgD, IgE, IgG, and IgM. In mice, the IgG class is further divided into four subclasses: IgG1, IgG2a/ IgG2c (strain specific), IgG2b, and IgG3. The general immunoglobulin structure is described as two heavy and two light chain (H2L2) polypeptides linked together by disulfide bridges of cysteine residues. Mouse IgE, also known as reaginic antibody, exists in serum as a 4-chain monomer of 185-200 kDa. Like IgM, the IgE monomers contain a fourth constant region domain. Serum concentrations of IgE are reported to be >10 µg/mL. IgE is cytolytic for mast cells, where it binds to the FcεRI receptor and is able to mediate the response of granular and lipid mediators of inflammation, including the PCA reaction. The IgE class switch is induced by IL-4 as part of the Th2 response.

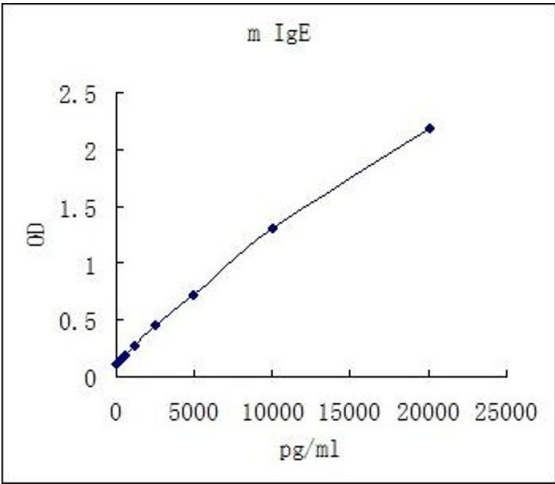
Application Details

Application Notes:	Detection Wavelength: 450 nm
Sample Volume:	20 µL
Assay Time:	3 h
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
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Images



ELISA

Image 1.