

# Product Datasheet

## Mouse IgE ELISA Kit (Colorimetric) KA1944

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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**KA1944****Mouse IgE ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	IgE (Mouse) ELISA Kit is a highly sensitive two-site enzyme-linked immunoassay for the quantitative determination of IgE in mouse biological samples.
<b>Gene ID</b>	3497
<b>Gene Symbol</b>	IGHE
<b>Species</b>	Mouse
<b>Kit Components</b>	Diluent Concentrate (Running Buffer): One bottle containing 5X concentrated diluent running buffer., Wash Solution Concentrate: One bottle containing a 20X concentrated wash solution., Enzyme-Antibody Conjugate 100x: One vial containing affinity purified anti-Mouse IgE antibody conjugated with horseradish peroxidase in a stabilizing buffer., Chromogen-Substrate Solution: One vial containing 3,3',5,5'-tetramethybenzidine (TMB) and hydrogen peroxide in citric acid buffer at pH 3.3., Stop Solution: One vial containing 0.3 M sulfuric acid. WARNING: Avoid contact with skin., Anti-Mouse IgE ELISA Micro Plate: Twelve removable eight (8) well micro well strips in well holder frame. Each well is coated with affinity purified anti-Mouse IgE., Mouse IgE Calibrator: One vial containing a lyophilized Mouse IgE calibrator.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	6.25 to 400 ng/mL
<b>Assay Type</b>	Sandwich ELISA
<b>Suitable Sample Type</b>	Plasma, Serum
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA
<b>Application Notes</b>	Useful for quantification. ELISA usage reported in scientific literature (PMID: 25396426).

## Publications

Johnathan M, Gan SH, Ezumi MF et al. Phytochemical profiles and inhibitory effects of Tiger Milk mushroom (*Lignosus rhinocerus*) extract on ovalbumin-induced airway inflammation in a rodent model of asthma. *BMC Complement Altern Med* 2016-06-03 [PMID: 27255587]

Seo JH, Bang MA, Kim G et al. Erythronium japonicum attenuates histopathological lung abnormalities in a mouse model of ovalbumin-induced asthma. *Int J Mol Med* 2016-05-01 [PMID: 27035741]

Hussain Z, Katas H, Mohd Amin MC, Kumolosasi E Efficient immuno-modulation of TH1/TH2 biomarkers in 2,4-dinitrofluorobenzene-induced atopic dermatitis: nanocarrier-mediated transcutaneous co-delivery of anti-inflammatory and antioxidant drugs. *PLoS One* 2014-11-14 [PMID: 25396426] (ELISA)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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