Mouse IgE Antibody Pair Set

Catalog No. E-KAB-0352 **Applications** ELISA
Synonyms IgE

Kit components & Storage

Title	Specifications	Storage
Mouse IgE Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Mouse IgE Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

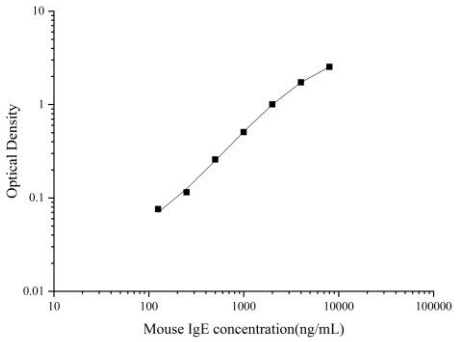
Product Information

Items		Characteristic (E-KAB-0352)	
		Mouse IgE Capture Antibody	Mouse IgE Detection Antibody (Biotin)
Immunogen Information	Immunogen	Native Protein	Native Protein
	Swissprot	/	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse IgE in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com

Applications

Mouse IgE Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Mouse IgE Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse IgE Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

IgE is one of the five classes of immunoglobulins found in mammals. Monomers consist of two heavy (epsilon) chains with 4 Ig-like constant domains, and two light chains. IgE plays an essential role in type I hypersensitivity (allergic responses such as hay fever, asthma, hives, anaphylatic shock) by binding to Fc receptors on basophils and mast cells. Crosslinking of IgE bound to Fc receptors induces degranulation of mast cells and basophils that promote allergic manifestations. IgE is also functionally important for immunity against parasites.

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