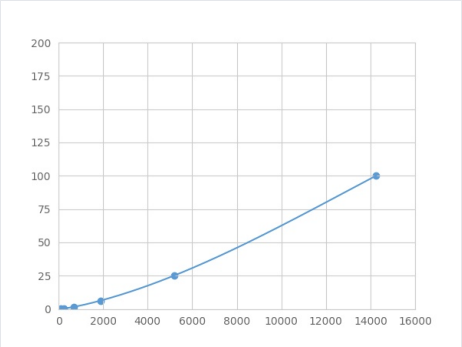
Immunoglobulin E (IgE) Assay Kit for Human

PRODUCT OVERVIEW

Product Name	Immunoglobulin E (IgE), Assay Kit
Full Product Name	Immunoglobulin E (IgE) Magnetic Fluorescence Assay Kit
Product Gene Name	IgE assay kit
Product Synonym Names	IGHE; Immunoglobulin Heavy Constant Epsilon; Ig epsilon chain C region; Immunoglobulin E
Species Reactivity	Human
Assay Type	Double-antibody Sandwich
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.1-100ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.033 ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Immunoglobulin E (IgE), etc. No significant cross-reactivity or interference between Immunoglobulin E (IgE), etc. and analogues was observed.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Immunoglobulin E (IgE), etc. were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Immunoglobulin E (IgE), etc. were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Research Area	Infection immunity, Immune molecule, Hematology, Autoimmunity
Assay Procedure Summary	1. Preparation of standards, reagents and samples before the experiment 2. Add 100uL standard or sample to each well, add 10uL magnetic beads, and incubate 90min at 37 degree C on shaker 3. Remove liquid on magnetic frame, add 100uL prepared Detection Reagent A. Incubate 60min at 37 degree C on shaker 4. Wash plate on magnetic frame for three times 5. Add 100uL prepared Detection Reagent B, and incubate 30 min at 37 degree C on shaker 6. Wash plate on magnetic frame for three times 7. Add 100uL sheath solution, swirl for 2 minutes, read on the machine.
Test Principle	Analyte-specific antibodies are pre-coated onto color-coded microparticles. Microparticles, standards, and samples are pipetted into wells and the immobilized antibodies bind the analytes of interest. After washing away any unbound substances, a biotinylated antibody cocktail specific to the analytes of interest is added to each well. Following a wash to remove any unbound biotinylated antibody, Streptavidin-Phycoerythrin conjugate (Streptavidin-PE), which binds to the biotinylated detection antibodies, is added to each well. A final wash removes unbound Streptavidin-PE and the microparticles are resuspended in buffer and read using fluorescent spectrum analyzer.The MFI developed isproportional to the concentration of analytes of interest in the sample.
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.

Application Notes for IgE assay kit	Magnetic Fluorescence Assay for Antigen Detection.
Related Product Information for IgE assay kit	MBS2155737 is an assay kit targeting IgE. Also known as Immunoglobulin E (IgE) Magnetic Fluorescence Assay Kit. Reactive in Human.
Other Notes	Small volumes of IgE assay kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of IgE assay kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-assay-kits/immunoglobulin-e-ige/2155737