IgE Receptor (IgER) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	IgE Receptor Antibody (IgER), ELISA Kit
Full Product Name	Human IgE Receptor Antibody ELISA Kit
Product Gene Name	IgER elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Body fluids, tissue homogenates, secretions or feces samples
Detection Range	0.625ng/ml-20ng/ml
Sensitivity	0.1ng/ml.
Specificity	No significant cross-reactivity or interference between this analyte and analogues is observed.
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100].
Intra-assay Precision	Intra-assay CV (%) is less than 15%
Molecular Weight	40,093 Da
3D Structure	ModBase 3D Structure for Q61559
Related Product Information for IgER elisa kit	Background/Introduction: This Quantitative Sandwich ELISA kit is only for in vitro research use only! This kit is intended to be used for determination the level of Anti-IgER (hereafter termed "analyte") in undiluted original Human body fluids, tissue homogenates, secretions or feces samples. This kit is NOT suitable for assaying non-biological sources of substances.
Other Notes	Small volumes of IgER elisa 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.
Searchable Terms for IgER purchase	MBS028362 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the IgE Receptor Antibody (IgER) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing IgER. The ELISA analytical biochemical technique of the MBS028362 kit is based on IgER antibody-IgER antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IgER antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IgER. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IgER. It may not necessarily be applicable to this product.

NCBI GI #	170172528
NCBI GeneID	14132
NCBI Accession #	NP_034319.2
UniProt Primary Accession #	Q61559
UniProt Secondary Accession #	Q9QUR0; Q9R2A5

UniProt Related Accession #	Q61559
GenBank Nucleotide #	NM_010189.3
NCBI Official Full Name	IgG receptor FcRn large subunit p51
NCBI Official Synonym Full Names	Fc receptor, IgG, alpha chain transporter
NCBI Official Symbol	Fcgrt
NCBI Official Synonym Symbols	FcRn
UniProt Protein Name	IgG receptor FcRn large subunit p51
UniProt Synonym Protein Names	IgG Fc fragment receptor transporter alpha chain; Neonatal Fc receptor
UniProt Gene Name	Fcgrt
UniProt Synonym Gene Names	Fcrn; FcRn
UniProt Entry Name	FCGRN_MOUSE
NCBI Protein Information	IgG receptor FcRn large subunit p51; neonatal Fc receptor; igG Fc fragment receptor transporter alpha chain
UniProt Comments for IgER	FCGRT: Binds to the Fc region of monomeric immunoglobulins gamma. Mediates the uptake of IgG from milk. Possible role in transfer of immunoglobulin G from mother to fetus. Belongs to the immunoglobulin superfamily. Protein type: Immunoglobulin superfamily; Receptor, misc.; Membrane protein, integral Cellular Component: membrane; integral to membrane; plasma membrane Molecular Function: IgG binding; beta-2-microglobulin binding; antigen binding; IgG receptor activity Biological Process: antigen processing and presentation; immune response
Research Articles on IgER	**1.** Abundant intracellular IgG in enterocytes and endoderm lacking FcRn.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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/iger-human-elisa-kits/ige-receptor-antibody/28362