Oncoprotein-Induced Transcript 3 (OIT3) ELISA Kit for Human

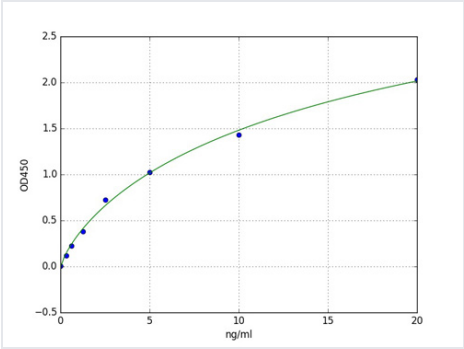
PRODUCT OVERVIEW

Product Name	Oncoprotein-induced transcript 3 protein (OIT3), ELISA Kit
Full Product Name	Human Oncoprotein-induced transcript 3 protein ELISA Kit
Product Gene Name	OIT3 elisa kit
Product Synonym Names	OIT3 (Oncoprotein Induced Transcript 3)/LZP/Liver-specific zona pellucida domain-containing protein
Species Reactivity	Human
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C
Molecular Weight	34,911 Da
OMIM	609330
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for OIT3 elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human OIT3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human OIT3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human OIT3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human OIT3 can be calculated.
Other Notes	Small volumes of OIT3 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 OIT3 purchase	MBS762163 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Oncoprotein-induced transcript 3 protein (OIT3) 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 OIT3. The ELISA analytical biochemical technique of the MBS762163 kit is based on OIT3 antibody-OIT3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect OIT3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, OIT3. 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(%).

Results of a typical standard run of a Human OIT3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.034	0.166	0.282	0.518	0.903	1.534	2.037	2.194

Typical Testing Data of OIT3 elisa kit



Typical Standard Curve of OIT3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OIT3. It may not necessarily be applicable to this product.

NCBI GI #	22749297
NCBI GeneID	170392
NCBI Accession #	NP_689848.1
UniProt Secondary Accession #	Q8N1M8; A0AVP3
UniProt Related Accession #	Q8WWZ8
GenBank Nucleotide #	NM_152635.2
NCBI Official Full Name	oncoprotein-induced transcript 3 protein
NCBI Official Synonym Full Names	oncoprotein induced transcript 3
NCBI Official Symbol	OIT3
NCBI Official Synonym Symbols	LZP
UniProt Protein Name	Oncoprotein-induced transcript 3 protein
UniProt Synonym Protein Names	Liver-specific zona pellucida domain-containing protein
Protein Family	Oncoprotein-induced transcript 3 protein
UniProt Gene Name	OIT3
UniProt Synonym Gene Names	LZP
UniProt Entry Name	OIT3_HUMAN
NCBI Protein Information	oncoprotein-induced transcript 3 protein
UniProt Comments for OIT3	LZP: a liver-specific protein possibly involved in hepatocellular function and development. Contains 3 epidermal growth factor (EGF)-like domains and a ZP domain. Human LZP is expressed specifically in liver out of 23 tissues examined, and its mouse counterpart was detected at very early stage during embryo development. Protein type: Secreted, signal peptide; Secreted; Calcium-binding Chromosomal Location of Human Ortholog: 10q22.1 Cellular Component: nuclear envelope Molecular Function: calcium ion binding; protein binding
Research Articles on OIT3	**1.** Loss of heterozygosity of OIT3 gene on chromosome 10q is associated with pancreatic cancer.

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.
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