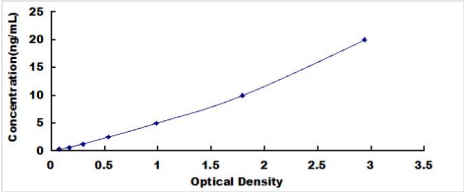
Death Inducer Obliterator 1 (DIDO1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Death Inducer Obliterator 1 (DIDO1), ELISA Kit
Full Product Name	Human Death Inducer Obliterator 1 (DIDO1) ELISA Kit
Product Gene Name	DIDO1 elisa kit
Product Synonym Names	BYE1; DATF1; DIDO2; DIDO3; DIO1; Death Associated Transcription Factor 1
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue Homogenates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.104ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	61,354 Da
OMIM	604140
3D Structure	ModBase 3D Structure for Q9BTC0
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DIDO1 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DIDO1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DIDO1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DIDO1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of DIDO1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of DIDO1 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 DIDO1 purchase	MBS458853 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Death Inducer Obliterator 1 (DIDO1) 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 DIDO1. The ELISA analytical biochemical technique of the MBS458853 kit is based on DIDO1 antibody-DIDO1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DIDO1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DIDO1. 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(%).



Typical Testing Data/Standard Curve (for reference only) of DIDO1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DIDO1. It may not necessarily be applicable to this product.

NCBI GI #	301129170
NCBI GeneID	11083
NCBI Accession #	NP_001180298.1
UniProt Primary Accession #	Q9BTC0
UniProt Secondary Accession #	O15043; Q3ZTL7; Q3ZTL8; Q4VXS1; Q4VXS2; Q4VXV8; Q4VXV9; Q96D72; A8MY65; B9EH82; E1P5I1
UniProt Related Accession #	Q9BTC0
GenBank Nucleotide #	NM_001193369.1
NCBI Official Full Name	death-inducer obliterator 1 isoform c
NCBI Official Synonym Full Names	death inducer-obliterator 1
NCBI Official Symbol	DIDO1
NCBI Official Synonym Symbols	BYE1; DIO1; DATF1; DIDO2; DIDO3; DIO-1; DATF-1; C20orf158; dJ885L7.8
UniProt Protein Name	Death-inducer obliterator 1
UniProt Synonym Protein Names	Death-associated transcription factor 1; DATF-1
Protein Family	Death-inducer obliterator
UniProt Gene Name	DIDO1
UniProt Synonym Gene Names	C20orf158; DATF1; KIAA0333; DIO-1; hDido1; DATF-1
NCBI Protein Information	death-inducer obliterator 1
NCBI Summary for DIDO1	Apoptosis, a major form of cell death, is an efficient mechanism for eliminating unwanted cells and is of central importance for development and homeostasis in metazoan animals. In mice, the death inducer-obliterator-1 gene is upregulated by apoptotic signals and encodes a cytoplasmic protein that translocates to the nucleus upon apoptotic signal activation. When overexpressed, the mouse protein induced apoptosis in cell lines growing in vitro. This gene is similar to the mouse gene and therefore is thought to be involved in apoptosis. Alternatively spliced transcripts have been found for this gene, encoding multiple isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for DIDO1	Putative transcription factor, weakly pro-apoptotic when overexpressed (). Tumor suppressor. Required for early embryonic stem cell development.
Research Articles on DIDO1	**1.** Results identified a novel pH-dependent mechanism by which epigenetic reader, the PHD fingers of DIDO, recognize the histone mark H3K4me3. The pH-sensing ability might be necessary for normal biological processes and those characterized by altered cellular pH.
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