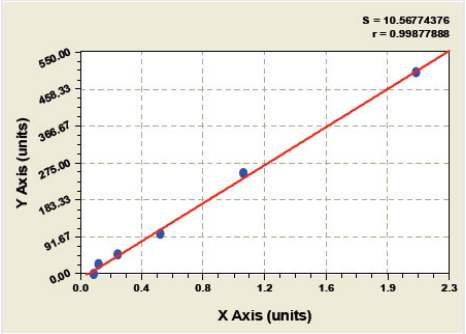
Octamer Binding Transcription Factor 4 (OBTF4) ELISA Kit for Monkey

PRODUCT OVERVIEW

Product Name	Octamer Binding Transcription Factor 4 (OBTF4), ELISA Kit
Full Product Name	Monkey Octamer Binding Transcription Factor 4 ELISA Kit
Product Gene Name	OBTF4 elisa kit
Species Reactivity	Monkey
Assay Type	Sandwich
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	38,497 Da
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for OBTF4 elisa kit	**For samples:** Serum, plasma, cell culture supernatants, body fluid and tissue homogenate **INTENDED USE** This OBTF4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey OBTF4. This ELISA kit for research use only! **PRINCIPLE OF THE ASSAY** OBTF4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for OBTF4. Standards or samples are then added to the microtiter plate wells and OBTF4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of OBTF4 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for OBTF4 are added to each well to “sandwich” the OBTF4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain OBTF4 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OBTF4 concentration in each sample is interpolated from this standard curve.
Other Notes	Small volumes of OBTF4 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 OBTF4 purchase	MBS737726 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Octamer Binding Transcription Factor 4 (OBTF4) 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 OBTF4. The ELISA analytical biochemical technique of the MBS737726 kit is based on OBTF4 antibody-OBTF4 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect OBTF4 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, OBTF4. 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 OBTF4 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OBTF4. It may not necessarily be applicable to this product.

NCBI GI #	124295259
NCBI Accession #	ABN04110.1
NCBI Official Full Name	octamer binding transcription factor 4
UniProt Protein Name	Octamer binding transcription factor 4
UniProt Synonym Protein Names	Octamer binding transcription factor 4
UniProt Gene Name	POU5F1
UniProt Entry Name	A2ICN2_RABIT
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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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.

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