

Mouse Octamer Binding Transcription Factor 1 ELISA Kit | OBTF1 elisa kit

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CATALOG #
AAA87268

REACTIVITY
Mouse

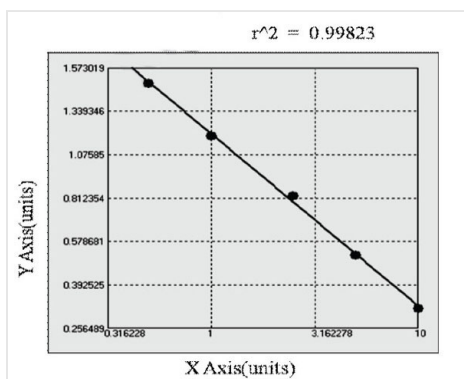
PRODUCT SYNONYMS

Octamer Binding Transcription Factor 1; Mouse Octamer Binding Transcription Factor 1 ELISA Kit; OBTF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This OBTF1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse OBTF1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OBTF1 elisa kit

Principle of the Assay: OBTF1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-OBTF1 antibody and an OBTF1-HRP conjugate. The assay sample and buffer are incubated together with OBTF1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the OBTF1 concentration since OBTF1 from samples and OBTF1-HRP conjugate compete for the anti-OBTF1 antibody binding site. Since the number of sites is limited, as more sites are occupied by OBTF1 from the sample, fewer sites are left to bind OBTF1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OBTF1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	418016
Molecular Weight	42,697 Da
NCBI Official Full Name	octamer binding transcription factor 1
UniProt Protein Name	POU domain, class 4, transcription factor 1
UniProt Gene Name	POU4F1
UniProt Synonym Gene Names	BRN3A; RDC1; Brain-3A; Brn-3A
UniProt Entry Name	PO4F1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/obtf1-mouse-elisa-kits/octamer-binding-transcription-factor-1/87268>