

Mouse Zinc finger E-box-binding homeobox 1 ELISA Kit | ZEB1 elisa kit

Mouse Zinc finger E-box-binding homeobox 1 (ZEB1) ELISA Kit

CATALOG #
AAA55351

REACTIVITY
Mouse

PRODUCT SYNONYMS

Zinc finger E-box-binding homeobox 1; Mouse Zinc finger E-box-binding homeobox 1 (ZEB1) ELISA Kit; ZEB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse ZEB1. No significant cross-reactivity or interference between Mouse ZEB1 and analogues was observed.
Sequence Length	1124
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ZEB1 elisa kit

TCF8 encodes a human zinc finger transcription factor that represses T-lymphocyte-specific IL2 gene expression by binding to a negative regulatory domain 100 nucleotides 5-prime of the IL2 transcription start site. Delta-Ef1 selectively transactivated the promoters of the SMC differentiation marker genes Acta2 and Myh11, and it physically interacted with Srf and Smad3, resulting in synergistic activation of the Acta2 promoter. Chromatin immunoprecipitation assays and knockdown experiments showed that delta-Ef1 was involved in control of SMC differentiation programs induced by Tgf-beta (TGFB1) signaling. Overexpression of delta-Ef1 inhibited neointima formation and promoted SMC differentiation.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ZEB1 in samples. An antibody specific for ZEB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ZEB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZEB1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ZEB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #

[6756073](#)

NCBI GeneID	21417
NCBI Accession #	NP_035676.1
NCBI GenBank Nucleotide #	NM_011546.3
UniProt Accession #	Q64318; Q62519; A4QPD2
Molecular Weight	122,465 Da
NCBI Official Full Name	zinc finger E-box-binding homeobox 1
NCBI Official Synonym Full Names	zinc finger E-box binding homeobox 1
NCBI Official Symbol	Zeb1
NCBI Official Synonym Symbols	Tw; BZP; ZEB; MEB1; Nil2; Tcf8; AREB6; TCF-8; Tcf18; Zfhdp; Zfx1a; Zfhx1a; Zfx1ha; [delta]EF1; 3110032K11Rik
NCBI Protein Information	zinc finger E-box-binding homeobox 1
UniProt Protein Name	Zinc finger E-box-binding homeobox 1
UniProt Gene Name	Zeb1
UniProt Synonym Gene Names	Tcf8; Zfhx1a; Zfx1a; Zfx1ha; TCF-8; MEB1

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://www.aaabiotech.com/zeb1-mouse-elisa-kits/zinc-finger-e-box-binding-homeobox-1/55351>