

## Human Zinc Finger E-Box-Binding Homeobox 2 (ZEB2) ELISA Kit | ZEB2 elisa kit

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CATALOG #  
**AAA330235**

REACTIVITY  
**Human**

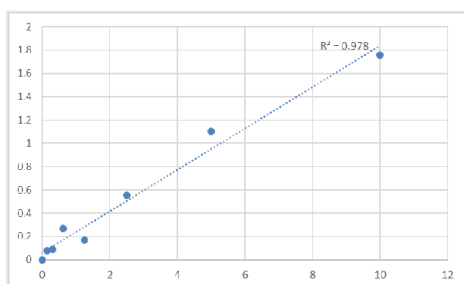
### PRODUCT SYNONYMS

Zinc Finger E-Box-Binding Homeobox 2 (ZEB2); Human Zinc Finger E-Box-Binding Homeobox 2 (ZEB2) ELISA Kit; ZEB2; FLJ42816; KIAA0569; SIP-1; SIP1; SMADIP1; ZFH1B; OTTHUMP00000204542; Smad-interacting protein 1; zinc finger E-box-binding protein 2; zinc finger homeobox 1b; ZEB2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Zinc finger E-box-binding homeobox 2 (ZEB2) ELISA Kit has high sensitivity and excellent specificity for detection of Human ZEB2. No significant cross-reactivity or interference between Human ZEB2 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Length         | 1190                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Zinc finger E-box-binding homeobox 2 (ZEB2) Standard Curve.

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ZEB2 elisa kit | <p>Description: This Human Zinc finger E-box-binding homeobox 2 (ZEB2) ELISA Kit employs a two-site sandwich ELISA to quantitate ZEB2 in samples. An antibody specific for ZEB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ZEB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZEB2 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 ZEB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: 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.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 284413746                                      |
| NCBI GeneID                      | 9839                                           |
| NCBI Accession #                 | NP_001165124.1                                 |
| NCBI GenBank Nucleotide #        | NP_001165124.1                                 |
| UniProt Accession #              | O60315                                         |
| NCBI Official Full Name          | zinc finger E-box-binding homeobox 2 isoform 2 |
| NCBI Official Synonym Full Names | zinc finger E-box binding homeobox 2           |
| NCBI Official Symbol             | ZEB2                                           |
| NCBI Official Synonym Symbols    | SIP1; SIP-1; ZFHx1B; HSPC082; SMADIP1          |
| NCBI Protein Information         | zinc finger E-box-binding homeobox 2           |
| UniProt Protein Name             | Zinc finger E-box-binding homeobox 2           |
| UniProt Gene Name                | ZEB2                                           |
| UniProt Synonym Gene Names       | KIAA0569; SIP1; ZFHx1B; ZFX1B; SMADIP1         |
| UniProt Entry Name               | ZEB2_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/human-elisa-kits/zinc-finger-e-box-binding-homeobox-2-zeb2/330235>