

## Mouse Speckle-Type POZ Protein (SPOP) ELISA Kit | SPOP elisa kit

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CATALOG #  
**AAA332252**

REACTIVITY  
**Mouse**

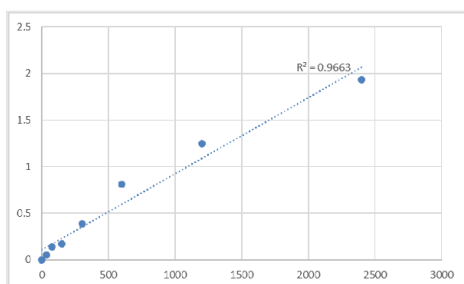
### PRODUCT SYNONYMS

Speckle-Type POZ Protein (SPOP); Mouse Speckle-Type POZ Protein (SPOP) ELISA Kit; SPOP; TEF2; SPOP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Mouse Speckle-type POZ protein (SPOP) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SPOP. No significant cross-reactivity or interference between Mouse SPOP and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence Length         | 374                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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. Mouse Speckle-type POZ protein (SPOP) Standard Curve.

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Related Product Information for SPOP elisa kit | <p>Description: This Mouse Speckle-type POZ protein (SPOP) ELISA Kit employs a two-site sandwich ELISA to quantitate SPOP in samples. An antibody specific for SPOP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPOP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPOP 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 SPOP bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: SPOP encodes a protein that may modulate the transcriptional repression activities of death-associated protein 6 (DAXX), which interacts with histone deacetylase, core histones, and other histone-associated proteins. In mouse, the encoded protein binds to the putative leucine zipper domain of macroH2A1.2, a variant H2A histone that is enriched on inactivated X chromosomes. The BTB/POZ domain of this protein has been shown in other proteins to mediate transcriptional repression and to interact with components of histone deacetylase co-repressor complexes. Alternative splicing of this gene results in multiple transcript variants encoding the same protein. The SPOP gene encodes a 374-amino acid polypeptide that contains a poxvirus and zinc finger (POZ) domain and an evolutionarily conserved N-terminal region.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|------------------------------|
| NCBI GI #                        | 118026917                    |
| NCBI GeneID                      | 20747                        |
| NCBI Accession #                 | NP_079563.2                  |
| NCBI GenBank Nucleotide #        | NP_079563.2                  |
| UniProt Accession #              | Q6ZWS8                       |
| NCBI Official Full Name          | speckle-type POZ protein     |
| NCBI Official Synonym Full Names | speckle-type BTB/POZ protein |
| NCBI Official Symbol             | Spop                         |
| NCBI Official Synonym Symbols    | TEF2; Pcif1; AI315626        |
| NCBI Protein Information         | speckle-type POZ protein     |
| UniProt Protein Name             | Speckle-type POZ protein     |
| UniProt Gene Name                | <b>Spop</b>                  |
| UniProt Synonym Gene Names       | Pcif1                        |
| UniProt Entry Name               | SPOP_MOUSE                   |

**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.