

## Speckle Type POZ Protein (SPOP) CLIA Kit | SPOP clia kit

CLIA Kit for Speckle Type POZ Protein (SPOP)

CATALOG #  
AAA129800

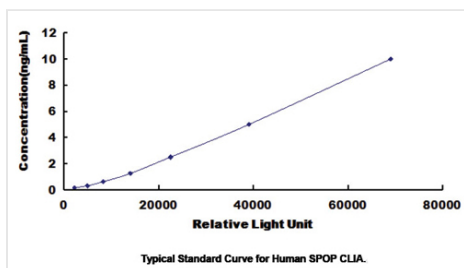
### PRODUCT SYNONYMS

Speckle Type POZ Protein (SPOP); CLIA Kit for Speckle Type POZ Protein (SPOP); SPOP clia kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Speckle Type POZ Protein (SPOP). No significant cross-reactivity or interference between Speckle Type POZ Protein (SPOP) and analogues was observed.                                                                                                                                                                                                                                                            |
| Sequence Length         | 374                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Samples                 | Tissue homogenates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Detection Range         | 0.014-10ng/mL. The standard curve concentrations used for the ELISA's were 10ng/mL, 3.33ng/mL, 1.11ng/mL, 0.37ng/mL, 0.123ng/mL, 0.041ng/mL, 0.014ng/mL.                                                                                                                                                                                                                                                                                                                                   |
| Sensitivity             | The minimum detectable dose of this kit is typically less than 0.052ng/mL.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Precision               | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Speckle Type POZ Protein (SPOP) were tested 20 times on one plate, respectively.<br>Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Speckle Type POZ Protein (SPOP) were tested on 3 different plates, 8 replicates in each plate.<br>$CV(\%) = SD/mean \times 100$<br>Intra-Assay: $CV < 10\%$<br>Inter-Assay: $CV < 12\%$                       |
| Organism Species        | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Length            | 4.5 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SPOP clia kit | The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Speckle Type POZ Protein (SPOP) level in the sample or standard. |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 56117836                                                    |
| NCBI GeneID                      | 8405                                                        |
| NCBI Accession #                 | NP_001007227.1                                              |
| NCBI GenBank Nucleotide #        | NM_001007226.1                                              |
| UniProt Accession #              | O43791; Q53HJ1; B2R6S3; D3DTW7                              |
| Molecular Weight                 | 42,132 Da                                                   |
| NCBI Official Full Name          | speckle-type POZ protein                                    |
| NCBI Official Synonym Full Names | speckle-type POZ protein                                    |
| NCBI Official Symbol             | SPOP                                                        |
| NCBI Official Synonym Symbols    | TEF2; BTBD32                                                |
| NCBI Protein Information         | speckle-type POZ protein; HIB homolog 1; roadkill homolog 1 |
| UniProt Protein Name             | Speckle-type POZ protein                                    |
| UniProt Gene Name                | SPOP                                                        |
| UniProt Entry Name               | SPOP_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://www.aaabiotech.com/clia-kits/speckle-type-poz-protein-spop/129800>