

## Human Tissue Polypeptide Antigen (TPA) ELISA Kit | TPA elisa kit

Human Tissue Polypeptide Antigen (TPA) ELISA Kit

CATALOG #  
**AAA330374**

REACTIVITY  
**Human**

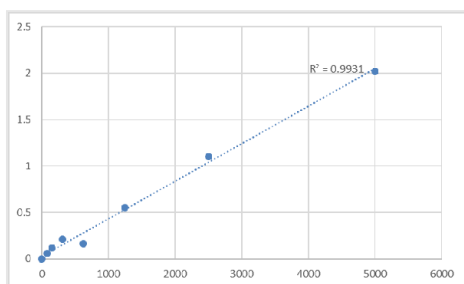
### PRODUCT SYNONYMS

Tissue Polypeptide Antigen (TPA); Human Tissue Polypeptide Antigen (TPA) ELISA Kit; TPA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Tissue Polypeptide Antigen (TPA) ELISA Kit has high sensitivity and excellent specificity for detection of Human TPA. No significant cross-reactivity or interference between Human TPA and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 Tissue Polypeptide Antigen (TPA) Standard Curve.

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TPA elisa kit | <p>Description: This Human Tissue Polypeptide Antigen (TPA) ELISA Kit employs a two-site sandwich ELISA to quantitate TPA in samples. An antibody specific for TPA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPA 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 TPA bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Tissue polypeptide antigen (TPA) is a circulating complex of polypeptide fragments from cytokeratins 8, 18 and 19. It is a tumour-related protein. TPA is an indicator of higher cell proliferation. One function of TP53 is the suppression of apoptosis. TP53 mutations are frequently correlated with tumour development in bladder cancer. One function of TP53 is the suppression of apoptosis. TPA is an indicator of higher cell proliferation. A series of tumor markers were found to be within normal limits except TPA, which was elevated three times above the upper normal limit. The presence of another primary tumor was excluded by history taking, physical examination, blood tests, and various radiological and nuclear imaging. Following two courses of chemotherapy, the patients skin condition improved, and her serum TPA level returned to normal. These findings suggest that serum TPA may prove to be clinically significant in a subset of patients with mycosis fungoides.</p> |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tissue-polypeptide-antigen-tpa/330374>