

Human TAR DNA Binding Protein 43 ELISA Kit | TDP43 elisa kit

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CATALOG #
AAA83385

REACTIVITY
Human

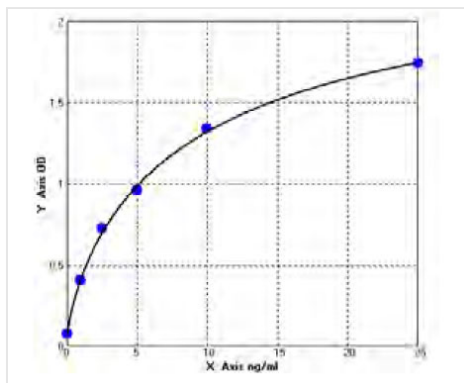
PRODUCT SYNONYMS

TAR DNA Binding Protein 43; Human TAR DNA Binding Protein 43 ELISA Kit; TDP43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TDP-43. No significant cross-reactivity or interference between TDP-43 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TDP-43 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TDP43 elisa kit	Intended Uses: This TDP-43 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TDP-43. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TDP-43 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for TDP-43. Standards or samples are then added to the microtiter plate wells and TDP-43 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TDP-43 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for TDP-43 are added to each well to "sandwich" the TDP-43 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain TDP-43 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TDP-43 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130750552
Molecular Weight	44,740 Da
NCBI Official Full Name	TDP43
UniProt Protein Name	TAR DNA-binding protein 43
UniProt Gene Name	TARDBP
UniProt Synonym Gene Names	TDP43; TDP-43
UniProt Entry Name	TADBP_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/tdp43-human-elisa-kits/tar-dna-binding-protein-43/83385>