

Rat TAR DNA-Binding Protein 43 (TARDBP) ELISA Kit | TARDBP elisa kit

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CATALOG #
AAA247318

REACTIVITY
Rat

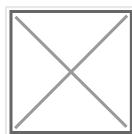
PRODUCT SYNONYMS

TAR DNA-Binding Protein 43 (TARDBP); Rat TAR DNA-Binding Protein 43 (TARDBP) ELISA Kit; TARDBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Sequence Length	414
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TARDBP elisa kit	Principle of the Assay: TDP-43 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TDP-43 antibody and an TDP-43-HRP conjugate. The assay sample and buffer are incubated together with TDP-43-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TDP-43 concentration since TDP-43 from samples and TDP-43-HRP conjugate compete for the anti-TDP-43 antibody binding site. Since the number of sites is limited, as more sites are occupied by TDP-43 from the sample, fewer sites are left to bind TDP-43-HRP conjugate. 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. Intended Uses: This TDP-43 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TDP-43. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for TARDBP elisa kit	Epigenetics and Nuclear Signaling; Neuroscience; Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678271
NCBI GeneID	23435
NCBI Accession #	NP_031401.1
NCBI GenBank Nucleotide #	NM_007375.3
UniProt Accession #	Q13148; Q53H27; Q6FI92; Q96DJ0; A4GUK4; A4GUK5; A4GUK6; B2R629; B4DJ45; E2PU12
Molecular Weight	31,808 Da
NCBI Official Full Name	TAR DNA-binding protein 43
NCBI Official Synonym Full Names	TAR DNA binding protein
NCBI Official Symbol	TARDBP
NCBI Official Synonym Symbols	ALS10; TDP-43
NCBI Protein Information	TAR DNA-binding protein 43
UniProt Protein Name	TAR DNA-binding protein 43
UniProt Gene Name	TARDBP
UniProt Synonym Gene Names	TDP43; TDP-43

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/rat-elisa-kits/tar-dna-binding-protein-43-tardbp/247318>