

Rat TDO (Tryptophan-2, 3-dioxygenase) ELISA Kit | TDO elisa kit

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CATALOG #
AAA249831

REACTIVITY
Rat

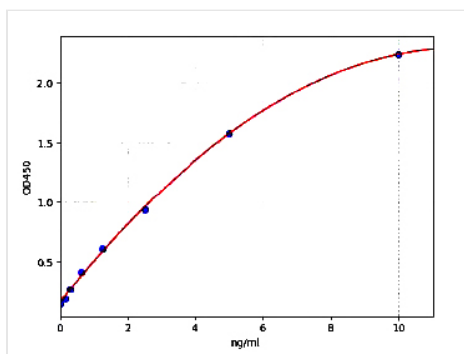
PRODUCT SYNONYMS

TDO (Tryptophan-2; 3-dioxygenase); Rat TDO (Tryptophan-2; 3-dioxygenase) ELISA Kit; TDO; Tryptophan-2; 3-dioxygenase; Tryptophan oxygenase; TO; TRPO; Tryptophan pyrrolase; Tryptophanase; Tdo2; Tdo; TDO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TDO. No significant cross-reactivity or interference between TDO and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TDO elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11693136
NCBI GeneID	64206
NCBI Accession #	NP_071798.1
NCBI GenBank Nucleotide #	NM_022403.1
UniProt Accession #	P21643; Q5EBC2; Q6LBW3
Molecular Weight	47,857 Da
NCBI Official Full Name	tryptophan 2,3-dioxygenase
NCBI Official Synonym Full Names	tryptophan 2,3-dioxygenase
NCBI Official Symbol	Tdo2
NCBI Official Synonym Symbols	TO; Tdo
NCBI Protein Information	tryptophan 2,3-dioxygenase; TRPO; tryptophanase; tryptophan oxygenase; tryptophan pyrrolase; tryptamin 2,3-dioxygenase; tryptophan-23-dioxygenase; tryptophan-2,3-dioxygenase; tryptophan 2,3-dioxygenase A
UniProt Protein Name	Tryptophan 2,3-dioxygenase
UniProt Gene Name	Tdo2
UniProt Synonym Gene Names	Tdo; TDO; TO; TRPO
UniProt Entry Name	T23O_RAT

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/tdo-tryptophan-2-3-dioxygenase/249831>