

Sheep Tryptophan-2, 3-dioxygenase ELISA Kit | TDO elisa kit

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CATALOG #
AAA96175

REACTIVITY
Sheep

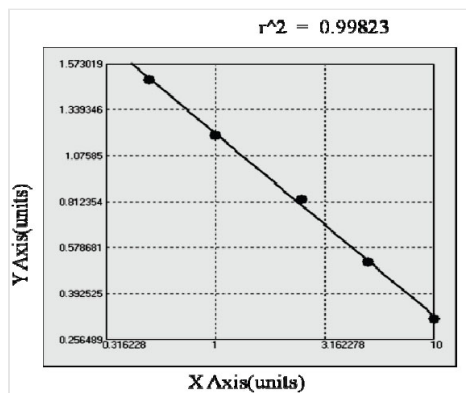
PRODUCT SYNONYMS

Tryptophan-2; 3-dioxygenase; Sheep Tryptophan-2; 3-dioxygenase ELISA Kit; TDO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This TDO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TDO. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TDO elisa kit	Principle of the Assay: TDO ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TDO antibody and an TDO-HRP conjugate. The assay sample and buffer are incubated together with TDO-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 TDO concentration since TDO from samples and TDO-HRP conjugate compete for the anti-TDO antibody binding site. Since the number of sites is limited, as more sites are occupied by TDO from the sample, fewer sites are left to bind TDO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TDO concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5032165
NCBI GeneID	6999
NCBI Accession #	NP_005642.1
NCBI GenBank Nucleotide #	NM_005651.3
Molecular Weight	47,872 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; TPH2; TRPO
NCBI Protein Information	tryptophan 2,3-dioxygenase; tryptophanase; tryptophan oxygenase; tryptophan pyrrolase; tryptamin 2,3-dioxygenase
UniProt Protein Name	Tryptophan 2,3-dioxygenase
UniProt Gene Name	TDO2
UniProt Synonym Gene Names	TDO; TDO; TO; TRPO
UniProt Entry Name	T23O_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/tdo-sheep-elisa-kits/tryptophan-2-3-dioxygenase/96175>