

Sheep Translocator protein ELISA Kit | TSPO elisa kit

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CATALOG #
AAA94595

REACTIVITY
Sheep

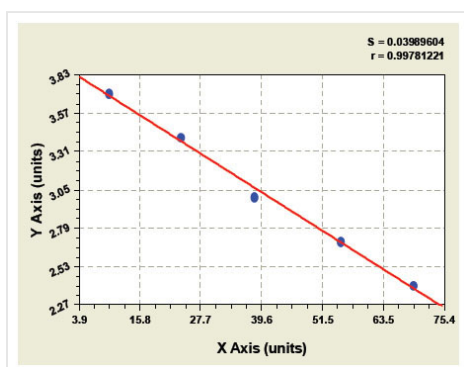
PRODUCT SYNONYMS

Translocator protein; Sheep Translocator protein ELISA Kit; TSPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TSPO elisa kit

Intended Uses: This TSPO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TSPO. This ELISA kit for research use only!

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

Product Categories/Family for TSPO elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	375065827
NCBI GeneID	706
NCBI Accession #	NP_001243460.1
NCBI GenBank Nucleotide #	NM_001256531.1
Molecular Weight	10,537 Da
NCBI Official Full Name	translocator protein
NCBI Official Synonym Full Names	translocator protein (18kDa)
NCBI Official Symbol	TSPO
NCBI Official Synonym Symbols	DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18
NCBI Protein Information	translocator protein; mitochondrial benzodiazepine receptor; benzodiazepine peripheral binding site; peripheral-type benzodiazepine receptor
UniProt Protein Name	Translocator protein
UniProt Gene Name	TSPO
UniProt Synonym Gene Names	BZRP; MBR; PBR
UniProt Entry Name	TSPOA_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/tspo-sheep-elisa-kits/translocator-protein/94595>