

Porcine Troponin I, fast skeletal muscle (TNNI2) ELISA Kit | TNNI2 elisa kit

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CATALOG #
AAA245961

REACTIVITY
Porcine

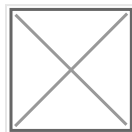
PRODUCT SYNONYMS

Troponin I; fast skeletal muscle (TNNI2); Porcine Troponin I; fast skeletal muscle (TNNI2) ELISA Kit; TNNI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 TNNI2 elisa kit

Intended Uses: This TNNI2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine TNNI2. This ELISA kit for research use only!

Principle of the Assay: TNNI2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-TNNI2 antibody and an TNNI2-HRP conjugate. The assay sample and buffer are incubated together with TNNI2-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 TNNI2 concentration since TNNI2 from samples and TNNI2-HRP conjugate compete for the anti-TNNI2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TNNI2 from the sample, fewer sites are left to bind TNNI2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TNNI2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TNNI2 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #

130493079

NCBI GeneID

100009581

NCBI Accession #	NP_001076252.1
NCBI GenBank Nucleotide #	NM_001082783.1
Molecular Weight	21,214 Da
NCBI Official Full Name	troponin I, fast skeletal muscle
NCBI Official Symbol	TNNI2
NCBI Official Synonym Symbols	Tnl
NCBI Protein Information	troponin I, fast skeletal muscle; troponin I, fast-twitch isoform
UniProt Protein Name	Troponin I, fast skeletal muscle
UniProt Gene Name	TNNI2
UniProt Entry Name	TNNI2_RABIT

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/porcine-elisa-kits/troponin-i-fast-skeletal-muscle-tnni2/245961>