

Mouse Aryl hydrocarbon receptor nuclear translocator-like protein 1 (ARNTL) ELISA Kit | ARNTL elisa kit

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CATALOG #
AAA246877

REACTIVITY
Mouse

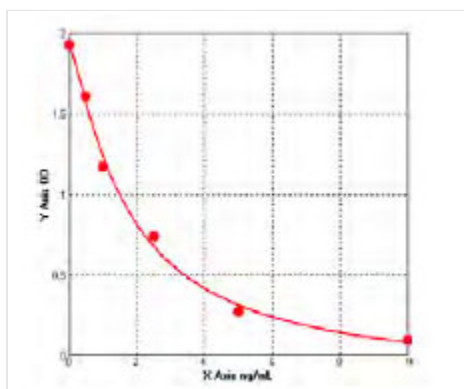
PRODUCT SYNONYMS

Aryl hydrocarbon receptor nuclear translocator-like protein 1 (ARNTL); Mouse Aryl hydrocarbon receptor nuclear translocator-like protein 1 (ARNTL) ELISA Kit; ARNTL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 ARNTL elisa kit	Intended Uses: This ARNTL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ARNTL. This ELISA kit for research use only! Principle of the Assay: ARNTL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ARNTL antibody and an ARNTL-HRP conjugate. The assay sample and buffer are incubated together with ARNTL-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 ARNTL concentration since ARNTL from samples and ARNTL-HRP conjugate compete for the anti-ARNTL antibody binding site. Since the number of sites is limited, as more sites are occupied by ARNTL from the sample, fewer sites are left to bind ARNTL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ARNTL concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ARNTL elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	663071001
NCBI GeneID	406
NCBI Accession #	NP_001284651.1
NCBI GenBank Nucleotide #	NM_001297722.1
Molecular Weight	64,136 Da
NCBI Official Full Name	aryl hydrocarbon receptor nuclear translocator-like protein 1 isoform c
NCBI Official Synonym Full Names	aryl hydrocarbon receptor nuclear translocator-like
NCBI Official Symbol	ARNTL
NCBI Official Synonym Symbols	TIC; JAP3; MOP3; BMAL1; PASD3; BMAL1c; bHLHe5
NCBI Protein Information	aryl hydrocarbon receptor nuclear translocator-like protein 1; bHLH-PAS protein JAP3; member of PAS protein 3; member of PAS superfamily 3; brain and muscle ARNT-like 1; PAS domain-containing protein 3; ARNT-like protein 1, brain and muscle; basic-helix-loop-helix-PAS orphan MOP3; basic-helix-loop-helix-PAS protein MOP3; class E basic helix-loop-helix protein 5
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator-like protein 1
UniProt Gene Name	ARNTL
UniProt Synonym Gene Names	BHLHE5; BMAL1; MOP3; PASD3; bHLHe5
UniProt Entry Name	BMAL1_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://www.aaabiotech.com/mouse-elisa-kits/aryl-hydrocarbon-receptor-nuclear-translocator-like-protein-1-arntl/246877>