

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

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CATALOG #
AAA244654

REACTIVITY
Human

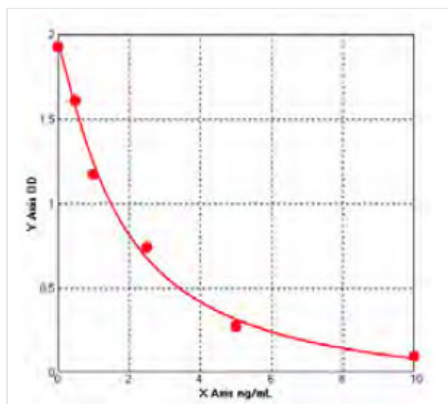
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ARNTL. No significant cross-reactivity or interference between ARNTL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ARNTL and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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	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. Intended Uses: This ARNTL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanARNTL. This ELISA kit for research use only, not for therapeutic or test applications!
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/human-elisa-kits/aryl-hydrocarbon-receptor-nuclear-translocator-like-protein-1-arntl/244654>