

Human Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein ELISA Kit | ARNTL elisa kit

Human Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL) ELISA Kit

CATALOG # AAA144580	REACTIVITY Human
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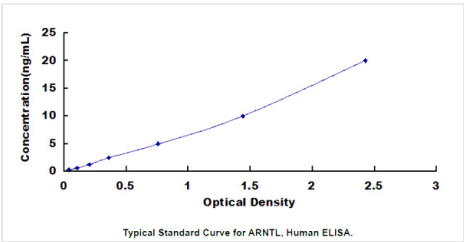
PRODUCT SYNONYMS

Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein; Human Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL) ELISA Kit; BMAL1; BMAL1c; JAP3; MOP3; PASD3; TIC; BHLHE5; Basic-helix-loop-helix-PAS protein MOP3; Brain and muscle ARNT-like 1; Class E basic helix-loop-helix protein 5; ARNTL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL). No significant cross-reactivity or interference between Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL) and analogues was observed.
Sequence Length	513
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.116ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARNTL elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ARNTL elisa kit	Signal transduction; Circadian rhythm

NCBI AND UNIPROT INFORMATION

NCBI GI #	734559377
UniProt Accession #	O02219; G5EGG7
Molecular Weight	50,795 Da
NCBI Official Full Name	Aryl hydrocarbon receptor nuclear translocator -like protein
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator homolog
UniProt Gene Name	aha-1
UniProt Synonym Gene Names	ARNT
UniProt Entry Name	AHA1_CAEEL

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/arntl-human-elisa-kits/aryl-hydrocarbon-receptor-nuclear-translocator-like-protein/144580>