

Rat Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL) ELISA Kit | ARNTL elisa kit

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CATALOG # AAA65550	REACTIVITY Rat
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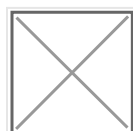
PRODUCT SYNONYMS

Aryl Hydrocarbon Receptor Nuclear Translocator Like Protein (ARNTL); Rat 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	Rat
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.
Sequence Length	263
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ARNTL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ARNTL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARNTL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ARNTL in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ARNTL. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 ARNTL in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71896600
NCBI GeneID	29657
NCBI Accession #	NP_077338.2
NCBI GenBank Nucleotide #	NM_024362.2
UniProt Accession #	Q9EPW1; O88337; O88810; Q499M8
Molecular Weight	29,671 Da
NCBI Official Full Name	aryl hydrocarbon receptor nuclear translocator-like protein 1
NCBI Official Synonym Full Names	aryl hydrocarbon receptor nuclear translocator-like
NCBI Official Symbol	Arntl
NCBI Official Synonym Symbols	Bmal1
NCBI Protein Information	aryl hydrocarbon receptor nuclear translocator-like protein 1
UniProt Protein Name	Aryl hydrocarbon receptor nuclear translocator-like protein 1
UniProt Gene Name	Arntl
UniProt Synonym Gene Names	Bmal1; Tic

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/rat-elisa-kits/aryl-hydrocarbon-receptor-nuclear-translocator-like-protein-arntl/65550>