

Human Aryl Hydrocarbon Receptor Repressor (AHRR) ELISA Kit | AHRR elisa kit

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CATALOG #
AAA66546

REACTIVITY
Human

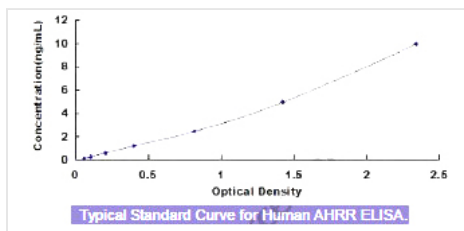
PRODUCT SYNONYMS

Aryl Hydrocarbon Receptor Repressor (AHRR); Human Aryl Hydrocarbon Receptor Repressor (AHRR) ELISA Kit; AHH; AHHR; BHLHE77; Aryl Hydrocarbon Receptor Regulator; Class E basic helix-loop-helix protein 77; AHRR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AHRR. No significant cross-reactivity or interference between AHRR and analogues was observed.
Sequence Length	701
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AHRR 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 AHRR 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 AHRR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AHRR in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AHRR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AHRR. 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 AHRR, 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 AHRR 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 #	334848123
NCBI GeneID	57491
NCBI Accession #	NP_001229341.1
NCBI GenBank Nucleotide #	NM_001242412.1
UniProt Accession #	A9YTQ3; Q9HAZ3; Q9ULI6; A7MBN5; D6RAZ1
Molecular Weight	77,821 Da
NCBI Official Full Name	aryl hydrocarbon receptor repressor isoform 2
NCBI Official Synonym Full Names	aryl-hydrocarbon receptor repressor
NCBI Official Symbol	AHRR
NCBI Official Synonym Symbols	AHH; AHHR; bHLHe77
NCBI Protein Information	aryl hydrocarbon receptor repressor
UniProt Protein Name	Aryl hydrocarbon receptor repressor
UniProt Gene Name	AHRR
UniProt Synonym Gene Names	BHLHE77; KIAA1234; AhR repressor; AhRR; bHLHe77

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/aryl-hydrocarbon-receptor-repressor-ahrr/66546>