

Human Aryl Hydrocarbon Receptor (AhR) CLIA Kit | AhR clia kit

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CATALOG #
AAA130335

REACTIVITY
Human

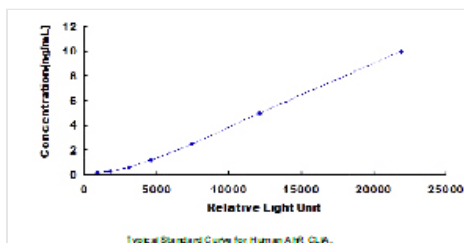
PRODUCT SYNONYMS

Aryl Hydrocarbon Receptor (AhR); Human Aryl Hydrocarbon Receptor (AhR) CLIA Kit; BHLHE76; Class E basic helix-loop-helix protein 76; AhR clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Aryl Hydrocarbon Receptor (AhR). No significant cross-reactivity or interference between Aryl Hydrocarbon Receptor (AhR) and analogues was observed.
Sequence Length	848
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	5.8pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Aryl Hydrocarbon Receptor (AhR) 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 (AhR) 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 AhR clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Aryl Hydrocarbon Receptor (AhR). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Aryl Hydrocarbon Receptor (AhR). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Aryl Hydrocarbon Receptor (AhR) level in the sample or standard.;
Product Categories/Family for AhR clia kit	Signal transduction; Tumor immunity; Infection immunity; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502003
NCBI GeneID	196
NCBI Accession #	NP_001612.1
NCBI GenBank Nucleotide #	NM_001621.4
UniProt Accession #	P35869; Q13728; Q13803; Q13804; A4D130
Molecular Weight	96,147 Da
NCBI Official Full Name	aryl hydrocarbon receptor
NCBI Official Synonym Full Names	aryl hydrocarbon receptor
NCBI Official Symbol	AHR
NCBI Official Synonym Symbols	bHLHe76
NCBI Protein Information	aryl hydrocarbon receptor
UniProt Protein Name	Aryl hydrocarbon receptor
UniProt Gene Name	AHR
UniProt Synonym Gene Names	BHLHE76; Ah receptor; AhR; bHLHe76
UniProt Entry Name	AHR_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://stage.aaabiotech.com/human-clia-kits/aryl-hydrocarbon-receptor-ahr/130335>