

Mouse Aryl hydrocarbon receptor, AhR ELISA Kit | AhR elisa kit

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CATALOG #
AAA82157

REACTIVITY
Mouse

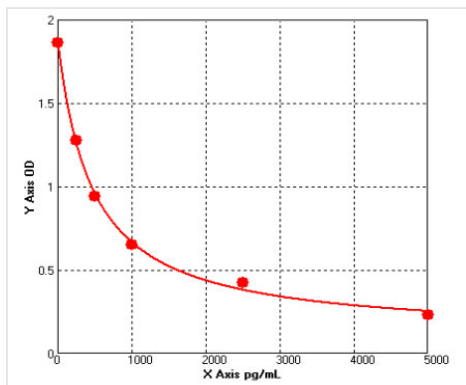
PRODUCT SYNONYMS

Aryl hydrocarbon receptor; AhR; Mouse Aryl hydrocarbon receptor; AhR ELISA Kit; AhR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of AhR. No significant cross-reactivity or interference between AhR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AhR 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AhR elisa kit	Principle of the Assay: AhR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AhR antibody and an AhR-HRP conjugate. The assay sample and buffer are incubated together with AhR-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 AhR concentration since AhR from samples and AhR-HRP conjugate compete for the anti-AhR antibody binding site. Since the number of sites is limited, as more sites are occupied by AhR from the sample, fewer sites are left to bind AhR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AhR concentration in each sample is interpolated from this standard curve. Intended Uses: This AhR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse AhR. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for AhR elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	7304873
NCBI GeneID	11622
NCBI Accession #	NP_038492.1
NCBI GenBank Nucleotide #	NM_013464.4
Molecular Weight	95,017 Da
NCBI Official Full Name	aryl hydrocarbon receptor
NCBI Official Synonym Full Names	aryl-hydrocarbon receptor
NCBI Official Symbol	Ahr
NCBI Official Synonym Symbols	Ah; In; Ahh; Ahre; bHLHe76
NCBI Protein Information	aryl hydrocarbon receptor; ah receptor; dioxin receptor
UniProt Protein Name	Aryl hydrocarbon receptor
UniProt Gene Name	Ahr
UniProt Synonym Gene Names	Ah receptor; AhR
UniProt Entry Name	AHR_MOUSE

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/mouse-elisa-kits/aryl-hydrocarbon-receptor-ahr/82157>