

Human Hypoxia Inducible Factor 1 Alpha (HIF1a) CLIA Kit | HIF1a clia kit

Human Hypoxia Inducible Factor 1 Alpha (HIF1a) CLIA Kit

CATALOG # AAA188985	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
-------------------------------	----------------------------	---

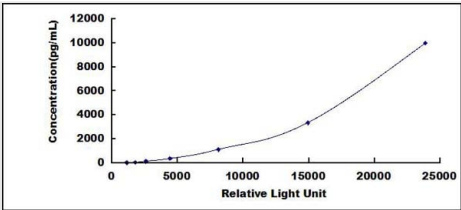
PRODUCT SYNONYMS

Hypoxia Inducible Factor 1 Alpha (HIF1a); Human Hypoxia Inducible Factor 1 Alpha (HIF1a) CLIA Kit; Hypoxia Inducible Factor 1 Alpha; HIF1-A; MOP1; PASD8; Basic Helix-Loop-Helix Transcription Factor; ARNT-interacting protein; Basic-helix-loop-helix-PAS protein MOP1; Class E basic helix-loop-helix protein 78; HIF1a clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Hypoxia Inducible Factor 1 Alpha (HIF1a). No significant cross-reactivity or interference between Hypoxia Inducible Factor 1 Alpha (HIF1a) and analogues was observed.
Sequence Length	826
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 4.9pg/mL
Applicable Applications for HIF1a clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Hypoxia Inducible Factor 1 Alpha (HIF1a) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Hypoxia Inducible Factor 1 Alpha (HIF1a) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Hypoxia Inducible Factor 1 Alpha (HIF1a). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Hypoxia Inducible Factor 1 Alpha (HIF1a). 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 Hypoxia Inducible Factor 1 Alpha (HIF1a) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504385
NCBI GeneID	3091
NCBI Accession #	NP_001521.1
NCBI GenBank Nucleotide #	NP_001521.1
UniProt Accession #	Q16665
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 1
NCBI Official Synonym Full Names	hypoxia inducible factor 1 subunit alpha
NCBI Official Symbol	HIF1A
NCBI Official Synonym Symbols	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF-1-alpha
NCBI Protein Information	hypoxia-inducible factor 1-alpha
UniProt Protein Name	Hypoxia-inducible factor 1-alpha
UniProt Gene Name	HIF1A
UniProt Synonym Gene Names	BHLHE78; MOP1; PASD8; HIF-1-alpha; HIF1-alpha; bHLHe78
UniProt Entry Name	HIF1A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/hypoxia-inducible-factor-1-alpha-hif1a/188985>