

Human HIF-1alpha (Hypoxia Inducible Factor 1 Alpha) CLIA Kit | HIF-1a clia kit

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CATALOG #
AAA171195

REACTIVITY
Human

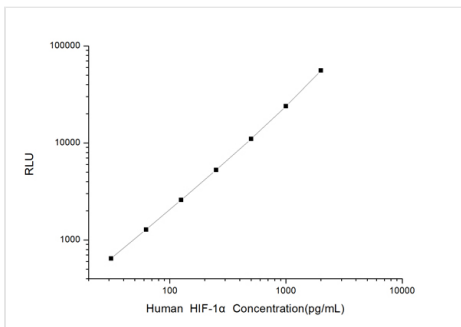
PRODUCT SYNONYMS

HIF-1alpha (Hypoxia Inducible Factor 1 Alpha); Human HIF-1alpha (Hypoxia Inducible Factor 1 Alpha) CLIA Kit; HIF1A; HIF-1A; MOP1; PASD8; bHLHe78; basic helix-loop-helix transcription factor; Human HIF-1a (Hypoxia Inducible Factor 1 Alpha) CLIA Kit; Human HIF-1a; HIF-1a clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant HIF-1alpha. No significant cross-reactivity or interference between HIF-1alpha and analogues was observed.
Sequence Length	826
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	Min: 18.75pg/mL; Max: 2000pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIF-1a clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of HIF-1alpha concentrations in serum, plasma and other biological fluids.

Principle of the Assay||This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to HIF-1alpha. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for HIF-1alpha and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain HIF-1alpha, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of HIF-1alpha. You can calculate the concentration of HIF-1alpha in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504385
NCBI GeneID	3091
NCBI Accession #	NP_001521.1
NCBI GenBank Nucleotide #	NM_001530.3
Molecular Weight	95,634 Da
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 1
NCBI Official Synonym Full Names	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
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.

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Online datasheet: <https://stage.aaabiotech.com/hif-1a-human-clia-kits/hif-1alpha-hypoxia-inducible-factor-1-alpha/171195>