

Human hypoxia-inducible factor 1alpha (HIF-1alpha) ELISA Kit | HIF-1alpha elisa kit

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CATALOG #
AAA15430

REACTIVITY
Human

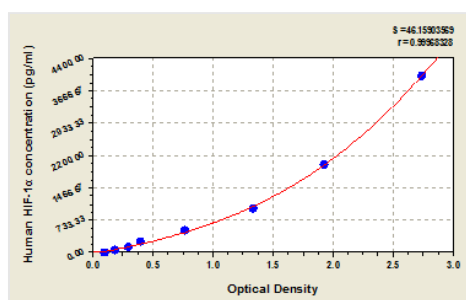
PRODUCT SYNONYMS

hypoxia-inducible factor 1alpha (HIF-1alpha); Human hypoxia-inducible factor 1alpha (HIF-1alpha) ELISA Kit; hypoxia-inducible factor 1a (HIF-1a) ; HIF-1alpha; HIF1; HIF1-ALPHA; MOP1; PASD8; bHLHe78; ARNT interacting protein|hypoxia-inducible factor 1 alpha isoform I.3|hypoxia-inducible factor 1; alpha subunit|hypoxi; HIF-1alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human HGFA. No significant cross-reactivity or interference between human HGFA and analogues was observed.
Samples	Serum, Plasma, Tissue Homogenates
Assay Type	Quantitative Sandwich
Detection Range	78 pg/ml-5000 pg/ml
Sensitivity	19.5 pg/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIF-1alpha elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for HGFA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HGFA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HGFA is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HGFA bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504385
NCBI GeneID	3091
NCBI Accession #	NP_001521.1
NCBI GenBank Nucleotide #	NM_001530.3
UniProt Accession #	Q16665; Q53XP6; Q96PT9; Q9UPB1
Molecular Weight	92,670 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; bHLHe78; HIF-1alpha; HIF1-ALPHA
NCBI Protein Information	hypoxia-inducible factor 1-alpha; HIF-1-alpha; OTTHUMP00000179061; OTTHUMP00000179062; OTTHUMP00000179063; member of PAS protein 1; ARNT interacting protein; ARNT-interacting protein; member of PAS superfamily 1; PAS domain-containing protein 8; basic-helix-loop-helix-PAS protein MOP1; class E basic helix-loop-helix protein 78; hypoxia-inducible factor 1 alpha isoform I.3; hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
UniProt Protein Name	Hypoxia-inducible factor 1-alpha
UniProt Gene Name	HIF1A
UniProt Synonym Gene Names	BHLHE78; MOP1; PASD8
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/human-elisa-kits/hypoxia-inducible-factor-1alpha-hif-1alpha/15430>