

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

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CATALOG #
AAA43262

REACTIVITY
Human

PRODUCT SYNONYMS

hypoxia-inducible factor 1alpha; HIF-1alpha; Human hypoxia-inducible factor 1alpha; HIF-1alpha ELISA Kit; HIF-1alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	826
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.05ng/ml - 15ng/ml
Sensitivity	0.01ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIF-1alpha elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Hypoxia-inducible Factor 1 Alpha (also known as HIF-1?) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human HIF-1? antibody. HIF-1? present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human HIF-1? Antibody is added and binds to HIF-1? in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated HIF-1? antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human HIF-1?. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

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; C0LZJ3
Molecular Weight	82,746 Da
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; MOP11 PublicationManual assertion based on opinion iniRef.2; HIF-1-alpha1 PublicationManual assertion based on opinion iniRef.1; HIF1-alpha1 PublicationManual assertion based on opinion iniRef.1; bHLHe78

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/43262>