

Mouse HIF1 alpha ELISA Kit | HIF1A elisa kit

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CATALOG #
AAA263385

REACTIVITY
Mouse

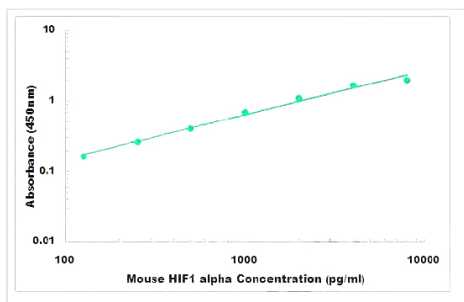
PRODUCT SYNONYMS

HIF1 alpha; Mouse HIF1 alpha ELISA Kit; BHLHE78; MOP1; PASD8; Hypoxia-inducible factor 1-alpha; HIF-1-alpha; HIF1-alpha; ARNT-interacting protein; Basic-helix-loop-helix-PAS protein MOP1; Class E basic helix-loop-helix protein 78; bHLHe78; Member of PAS protein 1; PAS domain-containing protein 8; HIF1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse HIF1 alpha ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse HIF1 alpha proteins within the range of 125 pg/ml - 8000 pg/ml.
Sequence Length	837
Samples	Cell culture supernates, serum, plasma, tissue homogenates
Sensitivity	< 60 pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIF1A elisa kit

Principle of the Assay: The AAA Biotech' Mouse HIF1 alpha ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse HIF1 alpha in Cell Culture Supernates, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Mouse HIF1 alpha coated on a 96-well plate. Standards and samples are pipetted into the wells and HIF1 alpha present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse HIF1 alpha antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of HIF1 alpha bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: The hypoxia-inducible transcription factor 1 alpha (HIF-1 alpha) is the regulated member of the transcription factor heterodimer HIF-1 alpha/beta. HIF-1 alpha binds to hypoxia-response elements (HREs) in the promoters of many genes involved in the adaptation to an environment of insufficient oxygen or hypoxia. Hypoxic tissue environments occur in vascular and pulmonary diseases as well as cancer, which illustrates the broad impact of gene regulation by HIF-1 alpha.

NCBI AND UNIPROT INFORMATION

NCBI GI #	927028881
NCBI GeneID	15251
NCBI Accession #	NP_001300848.1
NCBI GenBank Nucleotide #	NM_001313919.1
UniProt Accession #	Q61221; O08741; O08993; Q61664; Q61665; Q8C681; Q8CC19; Q8CCB6; Q8R385; Q9CYA8
Molecular Weight	91,874 Da
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 1
NCBI Official Synonym Full Names	hypoxia inducible factor 1, alpha subunit
NCBI Official Symbol	Hif1a
NCBI Official Synonym Symbols	MOP1; bHLHe78; AA959795; HIF1alpha; 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	HIF-1-alpha; HIF1-alpha

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/hif1a-mouse-elisa-kits/hif1-alpha/263385>