

Rat hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) ELISA Kit | HIF1A elisa kit

Rat hypoxia-inducible factor 1alpha, HIF-1alpha ELISA Kit

CATALOG #

AAA15609

REACTIVITY

Rat

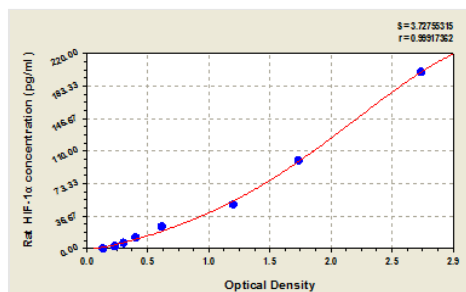
PRODUCT SYNONYMS

hypoxia inducible factor 1; alpha subunit (basic helix-loop-helix transcription factor); Rat hypoxia-inducible factor 1alpha; HIF-1alpha ELISA Kit; 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; alpha; HIF1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat HIF-1alpha. No significant cross-reactivity or interference between rat HIF-1alpha and analogues was observed.
Sequence Length	823
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	3.12 pg/ml-200 pg/ml
Sensitivity	< 0.78 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 HIF1A elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for HIF-1alpha has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HIF-1alpha present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HIF-1alpha 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 HIF-1alpha 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 #	13242249
NCBI GeneID	29560
NCBI Accession #	NP_077335.1
NCBI GenBank Nucleotide #	NM_024359.1
UniProt Accession #	O35800; Q9WTU9
Molecular Weight	92,319 Da
NCBI Official Full Name	hypoxia-inducible factor 1-alpha
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	MOP1
NCBI Protein Information	hypoxia-inducible factor 1-alpha; HIF1 alpha; HIF1-alpha; HIF-1 alpha; HIF-1-alpha; hypoxia-inducible factor 1 alpha; hypoxia inducible factor 1, alpha subunit
UniProt Protein Name	Hypoxia-inducible factor 1-alpha
UniProt Gene Name	Hif1a
UniProt Synonym Gene Names	HIF-1-alpha; HIF1-alpha
UniProt Entry Name	HIF1A_RAT

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-rat-elisa-kits/hypoxia-inducible-factor-1-alpha-subunit-basic-helix-loop-helix-transcription-factor/15609>