

Chicken Hypoxia-inducible factor 1-alpha (HIF1A) ELISA Kit | HIF1A elisa kit

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CATALOG #
AAA56016

REACTIVITY
Chicken

PRODUCT SYNONYMS

Hypoxia-inducible factor 1-alpha (HIF1A); Chicken Hypoxia-inducible factor 1-alpha (HIF1A) 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	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of Chicken HIF1A. No significant cross-reactivity or interference between Chicken HIF1A and analogues was observed.
Sequence Length	811
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	7.8 pg/mL - 500 pg/mL
Sensitivity	3.9 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for HIF1A elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate HIF1A in Chicken serum, plasma. An antibody specific for HIF1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HIF1A present is bound by the immobilized antibody. After removing any unbound substances, a biotinconjugated antibody specific for HIF1A is added to the wells. After washing, Streptavidin 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 HIF1A bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Chicken Hypoxia-inducible factor 1-alpha (HIF1A) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45383550
NCBI GeneID	374177
NCBI Accession #	NP_989628.1
NCBI GenBank Nucleotide #	NM_204297.1

UniProt Accession #	Q9YIB9
Molecular Weight	90,542 Da
NCBI Official Full Name	hypoxia-inducible factor 1-alpha
NCBI Official Synonym Full Names	hypoxia inducible factor 1 alpha subunit
NCBI Official Symbol	HIF1A
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://www.aaabiotech.com/chicken-elisa-kits/hypoxia-inducible-factor-1-alpha-hif1a/56016>