

Goat Hypoxia Inducible Factor 1, alpha ELISA Kit | HIF-1alpha elisa kit

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CATALOG #
AAA91115

REACTIVITY
Goat

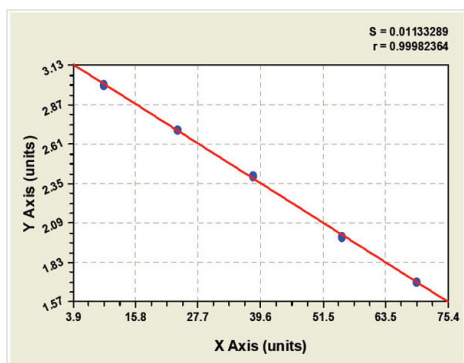
PRODUCT SYNONYMS

Hypoxia Inducible Factor 1; alpha; Goat Hypoxia Inducible Factor 1; alpha ELISA Kit; HIF-1alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIF-1alpha elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This HIF-1? ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat HIF-1?. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY HIF-1? ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HIF-1? antibody and an HIF-1?-HRP conjugate. The assay sample and buffer are incubated together with HIF-1?-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HIF-1? concentration since HIF-1? from samples and HIF-1?-HRP conjugate compete for the anti-HIF-1? antibody binding site. Since the number of sites is limited, as more sites are occupied by HIF-1? from the sample, fewer sites are left to bind HIF-1?-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HIF-1? concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504385
NCBI GeneID	3091
NCBI Accession #	NP_001521.1
NCBI GenBank Nucleotide #	NM_001530.3
Molecular Weight	95,634 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; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA
NCBI Protein Information	hypoxia-inducible factor 1-alpha; HIF-1-alpha; member of PAS protein 1; ARNT interacting protein; ARNT-interacting protein; member of PAS superfamily 1; hypoxia-inducible factor1alpha; 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; HIF-1-alpha; HIF1-alpha; bHLHe78
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/hif-1alpha-goat-elisa-kits/hypoxia-inducible-factor-1-alpha/91115>