

Human Hif1 Alpha ELISA Kit | Hif1 Alpha elisa kit

Human Hif1 Alpha Pre Coated ELISA Kit

CATALOG # AAA78469	REACTIVITY Human	APPLICATIONS ELISA
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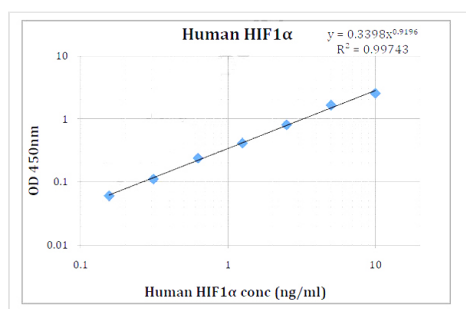
PRODUCT SYNONYMS

Hif1 Alpha; Human Hif1 Alpha Pre Coated ELISA Kit; Hif1 Alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	826
Applicable Applications for Hif1 Alpha elisa kit	ELISA

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hif1 Alpha elisa kit	Background/Introduction: Hypoxia inducible factor-1 (HIF) is a heterodimeric protein including an oxygen-regulated alpha subunit and a constitutive expressed beta subunit. Hypoxia inducible factor-1 alpha (HIF-1alpha) is a master regulator of cellular adaptation to oxygen deprivation and activates transcription of genes involved in tumor metabolism, angiogenesis, invasion and metastasis, all of which are implicated in cancer progression. Several domains of HIF-1alpha mediate protein-protein interaction, which is essential for the formation of the active heterodimer with HIF-1beta. Targeting specific domains of HIF-1alpha might lead to the identification of more selective inhibitors. Alpha subunits are degraded during normoxia mainly through a proteasomedependent pathway after hydroxylation of two proline residues by prolyl-hydroxylases (PHDs). During hypoxia, PHDs are inhibited and HIF-1alpha subunit accumulates, dimerizes with HIF-1beta and drive expression of HIF target genes which include genes involved in angiogenesis and tissue repair such as vascular endothelial growth factor (VEGF) or erythropoietin (EPO) and prolylhydroxylases (PHDs) genes, among others.
Product Categories/Family for Hif1 Alpha elisa kit	Kits and Reagents

NCBI AND UNIPROT INFORMATION

NCBI GI #	15214788
NCBI GeneID	3091

Molecular Weight	95,634 Da
NCBI Official Full Name	Hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
NCBI Official Synonym Full Names	hypoxia inducible factor 1 alpha subunit
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

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/hif1-alpha/78469>