

Datasheet for ABIN5524606

HIF1A ELISA Kit[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	96 tests
Target:	HIF1A
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	125 pg/mL - 8000 pg/mL
Minimum Detection Limit:	125 pg/mL
Application:	ELISA

Product Details

Purpose:	For quantitative detection of Hif1α in serum, plasma, tissue homogenates.
Sample Type:	Plasma, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of Hif1α. No significant cross-reactivity or interference between Hif1α and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the cross-reactivity detection between Hif1α and all the analogues, therefore, cross reaction may still exist.
Sensitivity:	75 pg/mL
Components:	- ELISA Microplate - Lyophilized Standard - Sample / Standard Dilution Buffer

Product Details

- Biotin-labeled Antibody (Concentrated)
- Antibody Dilution Buffer
- HRP-Streptavidin Conjugate(SABC)
- SABC Dilution Buffer
- TMB Substrate
- Stop Solution
- Wash Buffer (25X)
- Plate Sealer
- Product Description

Target Details

Target:	HIF1A
Alternative Name:	Hif1alpha (HIF1A Products)
Background:	Hif1α/HIF-1α/HIF1A/ARNT-interacting protein/Basic-helix-loop-helix-PAS protein MOP1/BHLHE78/Class E basic helix-loop-helix protein 78/HIF-1-alpha/HIF1-alpha/hypoxia-inducible factor 1-alpha/Member of PAS protein 1/member of PAS superfamily 1/PAS domain-co
UniProt:	Q61221
Pathways:	Positive Regulation of Peptide Hormone Secretion , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Cellular Response to Molecule of Bacterial Origin , Carbohydrate Homeostasis , Transition Metal Ion Homeostasis , Tube Formation , Regulation of Carbohydrate Metabolic Process , Signaling Events mediated by VEGFR1 and VEGFR2 , VEGFR1 Specific Signals , Warburg Effect

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Sandwich ELISA, Double Antibody
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

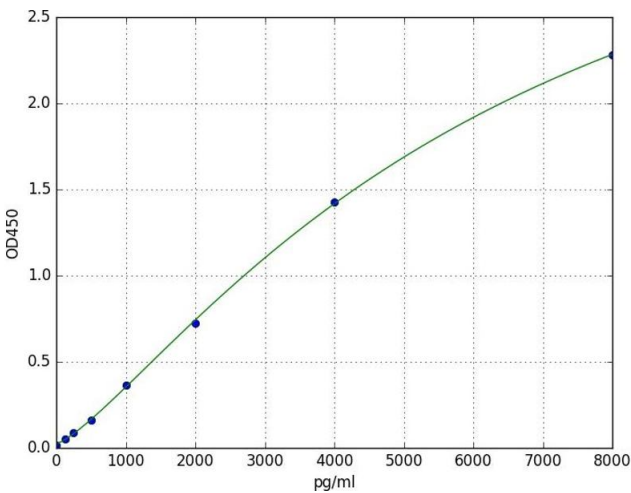
Handling

Storage:	4 °C
Storage Comment:	1. For unopened kit: All the reagents should be kept according to the labels on vials. The Reference Standard and the 96-well stripe plate should be stored at -20 °C upon receipt while the other reagents should be stored at 4 °C. 2. For used kit: When the kit is used, the remaining reagents need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and zip-seal the foil pouch.
Expiry Date:	6 months

Publications

Product cited in:	Olivares-González, Martínez-Fernández de la Cámara, Hervás, Millán, Rodrigo: "HIF-1 α stabilization reduces retinal degeneration in a mouse model of retinitis pigmentosa." in: FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Vol. 32, Issue 5, pp. 2438-2451, (2019) (PubMed).
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Images



ELISA

Image 1. A typical standard curve