For Research Use Only

HIF1a Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number:83764-17-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
83764-17-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG15198

GenBank Accession Number:
BC012527

GeneID (NCBI):
3091

UNIPROT ID:
Q16665

Full Name:
hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)

Calculated MW:
826 aa, 93 kDa

Purification Method:
Protein A purification

CloneNo.:
261594F12

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA

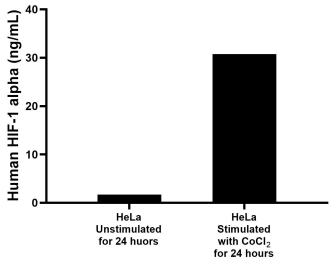
Species Specificity:
human

Background Information

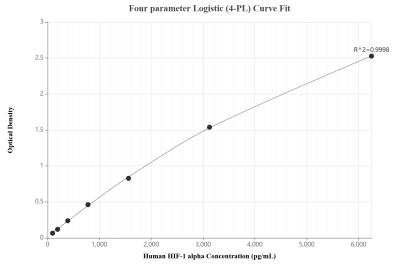
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

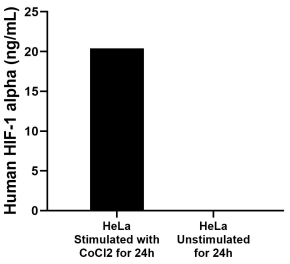
Selected Validation Data



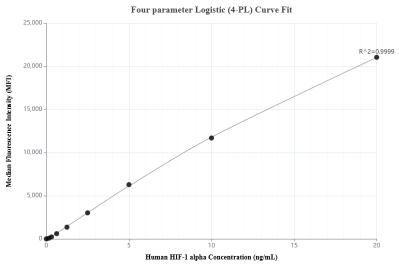
HeLa cells were cultured unstimulated or stimulated with 400 uM CoCl2 for 24 hours. The mean HIF-1 alpha concentration was determined to be 1.7 ng/mL in unstimulated Hela cell extract based on a 2.3 mg/mL extract load and 30.8 ng/mL in CoCl2 stimulated Hela cell extract based on a 1.6 mg/mL extract load.



Sandwich ELISA standard curve of MP00762-2, Human HIF-1 alpha Recombinant Matched Antibody Pair - PBS only. 83764-17-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag15198. 83764-16-PBS was HRP conjugated as the detection antibody. Range: 97.7-6250 pg/mL.



Based on a 1.0 mg/mL extract load, the mean HIF-1 alpha concentration was 0.2 ng/mL in untreated HeLa cell extracts and 20.4 ng/mL in HeLa cell extract treated with 400 µM CoCl2 for 24 hours.



Cytometric bead array standard curve of MP00762-2, HIF-1 alpha Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83764-17-PBS. Detection antibody: 83764-16-PBS. Standard: Ag15198. Range: 0.156-20 ng/mL.