For Research Use Only

HIF1a Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:83764-16-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
83764-16-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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.:
261594C7

Applications

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

Species Specificity:
human

Product Information

83764-16-PBS targets HIF1a as part of a matched antibody pair:

MP00762-2: 83764-17-PBS capture and 83764-16-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

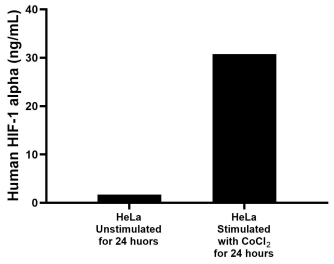
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

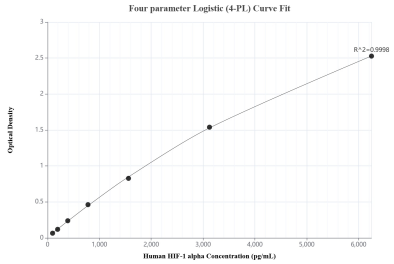
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

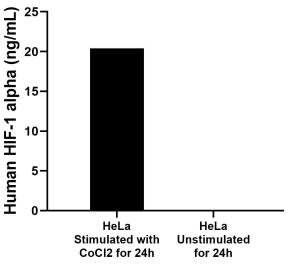
Selected Validation Data



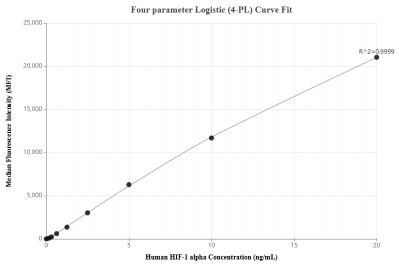
HeLa cells were cultured unstimulated or stimulated with 400 uM CoCl2 for 24 hours. The mean HIF-1 alpha concentration was determined to be 1.7 ng/mL in unstimulated Hela cell extract based on a 2.3 mg/mL extract load and 30.8 ng/mL in CoCl2 stimulated Hela cell extract based on a 1.6 mg/mL extract load.



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.