

# PE Rabbit anti-Human HIF-1 alpha mAb

Catalog No.: A27280

## Basic Information

### Observed MW

### Calculated MW

93kDa

### Category

Primary antibody

### Applications

FC (intra)

### Cross-Reactivity

Human

### CloneNo number

ARC71404

### Conjugate

PE. Ex:565nm. Em:574nm.

## Background

This gene encodes the alpha subunit of transcription factor hypoxia-inducible factor-1 (HIF-1), which is a heterodimer composed of an alpha and a beta subunit. HIF-1 functions as a master regulator of cellular and systemic homeostatic response to hypoxia by activating transcription of many genes, including those involved in energy metabolism, angiogenesis, apoptosis, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. HIF-1 thus plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

## Recommended Dilutions

**FC (intra)** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Immunogen Information

### Gene ID

3091

### Swiss Prot

Q16665

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF-1-alpha

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

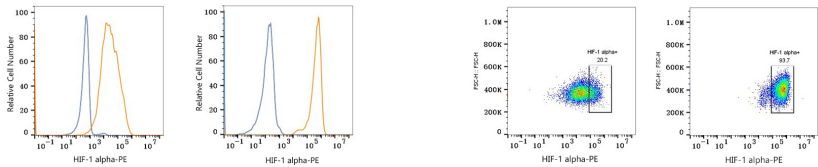
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

# Validation Data



Flow cytometry:1X10<sup>6</sup> HeLa cells (untreated,left) and HeLa cells (treated with Deferoxamine,right) were intracellularly-stained with PE Rabbit anti-Human HIF-1 alpha mAb (A27280,5 μl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 μl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10<sup>6</sup> HeLa cells (untreated,left) and HeLa cells (treated with Deferoxamine,right) were intracellularly-stained with PE Rabbit anti-Human HIF-1 alpha mAb (A27280,5 μl/Test).