

# NFIL3 Monoclonal antibody

Catalog Number: 66368-1-Ig

## Basic Information

**Catalog Number:**

66368-1-Ig

**Size:**

1200 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG2380

**GenBank Accession Number:**

BC008197

**GeneID (NCBI):**

4783

**UNIPROT ID:**

Q16649

**Full Name:**

nuclear factor, interleukin 3 regulated

**Calculated MW:**

462 aa, 51 kDa

**Observed MW:**

50-55 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2F4B4

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, FC (Intra), ELISA

**Species Specificity:**

human, pig

**Positive Controls:**

WB : human skeletal muscle tissue,

## Background Information

NFIL3, also named E4BP4 and IL3BP1, belongs to the bZIP family and NFIL3 subfamily. It represses transcription from promoters with activating transcription factor (ATF) sites. NFIL3 activates transcription from the interleukin-3 promoter in T-cells. It competes for the same consensus-binding site with PAR DNA-binding factors (DBP, HLF and TEF). It is a component of the circadian clock that acts as a negative regulator for the circadian expression of PER2 oscillation in the cell-autonomous core clock. NFIL3 protects pro-B cells from programmed cell death. It is a key regulator of TH2 responses (PMID:21499227).

## Storage

**Storage:**

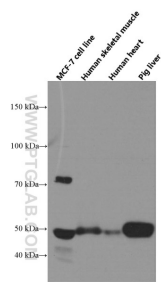
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

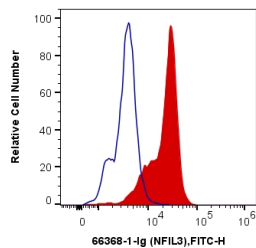
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Western blot analysis of NFIL3 in various cell lines and tissues using Proteintech antibody 66368-1-Ig at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1X10<sup>6</sup> NK92 were intracellularly stained with 0.4 ug Anti-Human NFIL3 (66368-1-Ig, Clone:2F4B4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug x. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).