

For Research Use Only

# CoraLite® Plus 488-conjugated Nurr1/NR4A2 Monoclonal antibody

Catalog Number: CL488-66878

Featured Product



## Basic Information

### Catalog Number:

CL488-66878

### Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG1418

### GenBank Accession Number:

BC009288

### GeneID (NCBI):

4929

### UNIPROT ID:

P43354

### Full Name:

nuclear receptor subfamily 4, group A,  
member 2

### Calculated MW:

66 kDa

### Observed MW:

67 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1H5B4

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

FC (Intra)

### Species Specificity:

Human, mouse

## Background Information

NR4A2 belongs to the orphan nuclear receptor (NR) family referred to as NR4A family, which have been implicated in cell cycle regulation, apoptosis, inflammation, metabolism and more recently in carcinogenesis [PMID:22583411]. NR4A2 also has a role in the expression of several proteins that are necessary for the synthesis and regulation of DA, such as tyrosine hydroxylase, DA transporter, vesicular monoamine transporter 2, and cRET [PMID:22294735]. Act as a transcriptional regulator, NR4A2 is essential for the differentiation and maintenance of meso-diencephalic mdDA neurons during development. It is crucial for expression of a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons [PMID: 17184956].

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

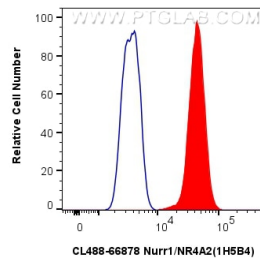
For technical support and original validation data for this product please contact:

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## Selected Validation Data



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4  $\mu$ g Coralite® Plus 488-conjugated Nurr1/NR4A2 Monoclonal antibody (CL488-66878, Clone:1H5B4) (red), or 0.4  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).