

For Research Use Only

# CoraLite®488-conjugated NAPRT1 Monoclonal antibody



Catalog Number:CL488-66159

Featured Product

## Basic Information

Catalog Number:

CL488-66159

Size:

100UL, Concentration: 2000 µg/ml by 93100

Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4265

GenBank Accession Number:

BC032466

GeneID (NCBI):

93100

Full Name:

nicotinate phosphoribosyltransferase domain containing 1

Calculated MW:

514 aa, 55 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

5D8H10

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

488 nm/515 nm

## Applications

Tested Applications:

IF, ELISA

Species Specificity:

human, mouse

Positive Controls:

IF : HeLa cells,

## Background Information

Nicotinic acid (NA) is a coenzyme in cellular redox reactions, and is an essential component of metabolic pathways in all living cells. NAPRT1 (Nicotinate phosphoribosyltransferase) is essential for increasing cellular NAD levels and, thus, to prevent oxidative stress of cells. NAPRT1 converts Nicotinic acid (NA; niacin) to NA mononucleotide (NaMN), which is then converted to NA adenine dinucleotide (NaAD), and finally to nicotinamide adenine dinucleotide (NAD).

## 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:

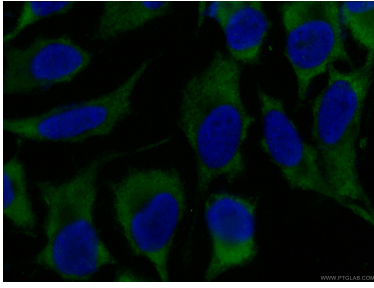
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CL488-66159 (NAPRT1 antibody) at dilution of 1:100.