

# CD73 Recombinant antibody

Catalog Number: 86512-3-RR

## Basic Information

**Catalog Number:**

86512-3-RR

**Concentration:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG2974

**GenBank Accession Number:**

NM\_002526.3

**GeneID (NCBI):**

4907

**UNIPROT ID:**

P21589-1

**Full Name:**

5'-nucleotidase, ecto (CD73)

**Calculated MW:**

63 kDa

**Observed MW:**

63-70 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

251250H3

**Recommended Dilutions:**

WB: 1:1000-1:6000

IF/ICC: 1:400-1:1600

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : HuH-7 cells, A375 cells, HT-29 cells

IF/ICC : U-251 cells,

## Background Information

NT5E(5'-nucleotidase) is also named as NT5, NTE, CD73, ecto-5'-nucleotidase, and belongs to the 5'-nucleotidase family. It catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme occurs mainly as a dimer and the wide distribution of NT5E in the rat hippocampus, suggesting their involvement in the control of the purinergic signaling (PMID:17619139). This protein has two isoforms with the molecular weight of 63 kDa and 58 kDa and four glycosylation sites with a signal peptide. It can exist as a dimer (PMID:17619139). It can be detected the band of 55 kDa, 64 kDa, 70 kDa, 110 kDa by western blot (PMID:17619139; 12370277; 21533188). Defects in NT5E are the cause of calcification of joints and arteries (CALJA).

## Storage

**Storage:**

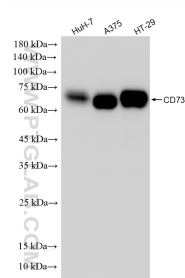
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

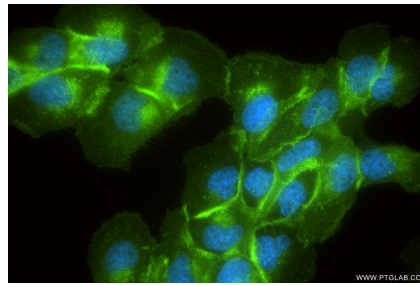
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86512-3-RR (CD73 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using CD73 antibody (86512-3-RR, Clone: 251250H3 ) at dilution of 1:800 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).