

Datasheet for ABIN2854948

**anti-CD73 antibody**

3 Images

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## Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µL  |
| Target:      | CD73 (NT5E)   |
| Reactivity:  | Human   |
| Host:        | Rabbit  |
| Clonality:   | Polyclonal  |
| Conjugate:   | This CD73 antibody is un-conjugated   |
| Application: | Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF),<br>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant protein encompassing a sequence within the center region of human CD73. The exact sequence is proprietary. |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human  |
| Characteristics:  | Rabbit polyclonal antibody to CD73 (5'-nucleotidase, ecto (CD73))<br>CD73 antibody [N3C3]                              |
| Purification:     | Purified by antigen-affinity chromatography.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | CD73 (NT5E)  |
| Alternative Name: | 5'-nucleotidase ecto ( <a href="#">NT5E Products</a> ) |

## Target Details

**Background:** Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase, EC 3.1.3.5) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl phosphatidyl inositol linkage to the external face of the plasma membrane. The enzyme is used as a marker of lymphocyte differentiation. Consequently, a deficiency of NT5 occurs in a variety of immunodeficiency diseases (e.g., see MIM 102700, MIM 300300). Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate.[supplied by OMIM]

Cellular Localization: Cell membrane , GPI-anchor

**Molecular Weight:** 63 kDa

**Gene ID:** 4907

**UniProt:** [P21589](#)

**Pathways:** [Synaptic Membrane](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

**Application Notes:** WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

**Comment:** Positive Control: H1299  
Validation: Orthogonal

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.97 mg/mL

**Buffer:** 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal

**Preservative:** Thimerosal (Merthiolate)

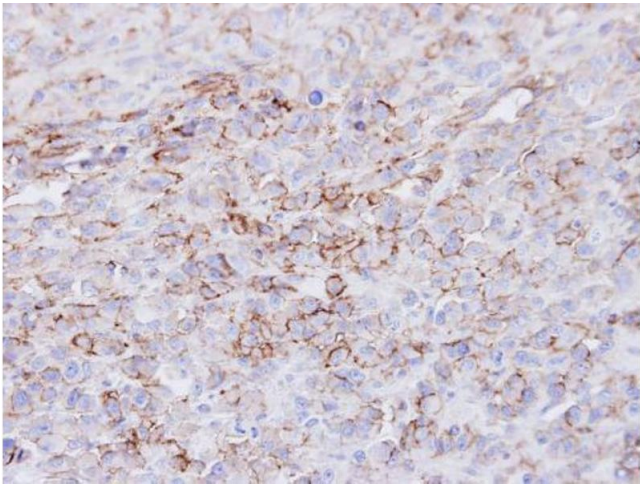
**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C, -20 °C

Handling

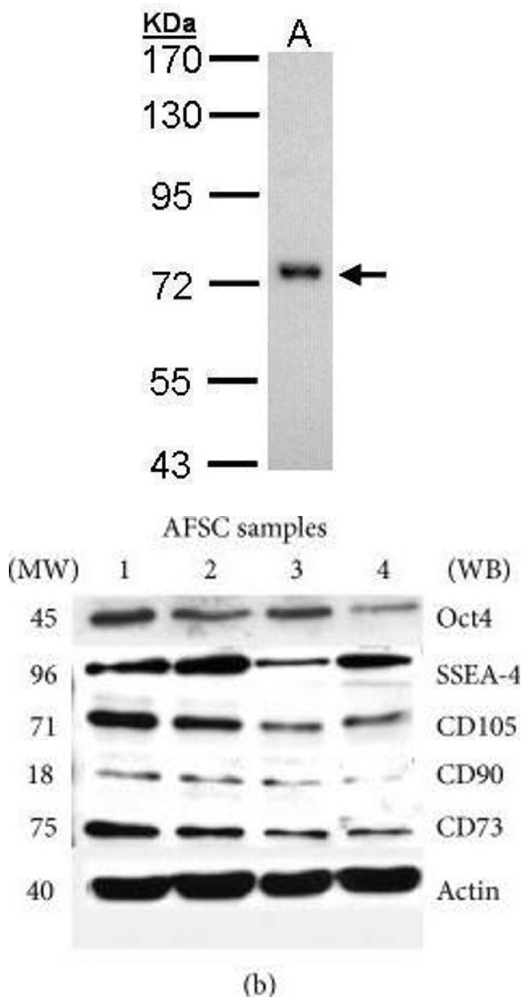
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



**Immunohistochemistry**

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded MDAMB231 xenograft, using CD73, antibody at 1:100 dilution.



**Western Blotting**

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A: H1299 7.5% SDS PAGE antibody diluted at 1:1000

**Western Blotting**

**Image 3.** Effect of donor heterogeneity on stem cells markers. (a) Representative images showing superimposing between DAPI (blue), Nox4 (green), and Oct4 (red) signals or DAPI (blue) and Sox2 (green) signals of AFSC samples 1 and 4. Scale bar: 10µm. (b) Representative images of total lysates of AFSC samples 1-4 separated by SDS-PAGE. Western blot was then performed with the indicated antibodies. Presented data are representative of three independent experiments. - figure provided by CiteAb.

Source: PMID26273418