

# Product datasheet

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ARG55075 anti-CD73 antibody

Package: 50 μl Store at: -20°C

## **Summary**

Product Description Mouse Monoclonal antibody recognizes CD73

Tested Reactivity Hu

Tested Application IHC-P, WB
Host Mouse

Clonality Monoclonal
Clone 974CT7.5.3

Isotype IgG1
Target Name CD73
Species Human

Immunogen Purified His-tagged Human CD73 protein.

Conjugation Un-conjugated

Alternate Names 5'-nucleotidase; CD antigen CD73; eN; CALJA; CD73; EC 3.1.3.5; NT; Ecto-5'-nucleotidase; NT5; E5NT;

5'-NT; eNT; NTE

### **Application Instructions**

Application table	Application	Dilution
	IHC-P	1:25
	WB	1:5000
Application Note	IHC-P: Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0).  * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	WiDr	

## **Properties**

Form Liquid

Purification Purification with Protein G.

Buffer Crude Ascites and 0.09% (W/V) Sodium azide

Preservative 0.09% (W/V) Sodium azide

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Database links GeneID: 4907 Human

Swiss-port # P21589 Human

Gene Symbol NT5E

Gene Full Name 5'-nucleotidase, ecto (CD73)

Background The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of

extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints

and arteries. Two transcript variants encoding different isoforms have been found for this

gene.[provided by RefSeq, Mar 2011]

Function Hydrolyzes extracellular nucleotides into membrane permeable nucleosides. Exhibits AMP-, NAD-, and

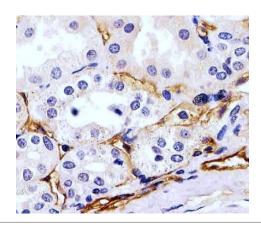
NMN-nucleosidase activities. [UniProt]

Research Area Cell Biology and Cellular Response antibody

Calculated Mw 63 kDa

Cellular Localization Cell membrane; Lipid-anchor, GPI-anchor.

## **Images**



#### ARG55075 anti-CD73 antibody IHC-P image

Immunohistochemistry: Paraformaldehyde-fixed and paraffinembedded Human kidney blocked with 3% BSA for 30 min at RT. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). Samples were stained with ARG55075 anti-CD73 antibody at 1:25 for 1 hours at 37°C.



## ARG55075 anti-CD73 antibody WB image

Western blot:  $20~\mu g$  of WiDr whole cell lysate stained with ARG55075 anti-CD73 antibody at 1:2000 dilution.