

ARG55075
anti-CD73 antibody [974CT7.5.3]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	

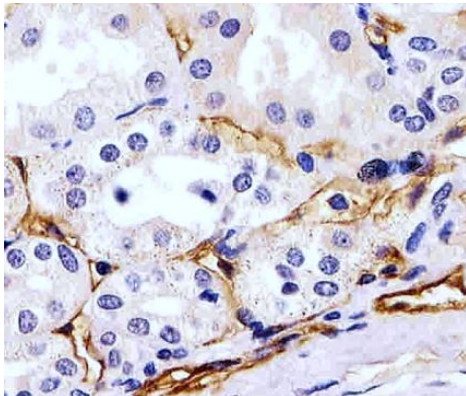
Properties

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

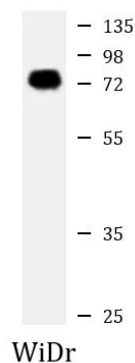
Database links	GeneID: 4907 Human Swiss-port # P21589 Human
Gene Symbol	NT5E
Gene Full Name	5'-nucleotidase, ecto (CD73)
Background	The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein 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 paraffin-embedded 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 µg of WiDr whole cell lysate stained with ARG55075 anti-CD73 antibody at 1:2000 dilution.