Best Tools for immunology Research

CD73 Monoclonal Antibody

Catalog No :	YM0133
Reactivity :	Human
Applications :	IHC;IF;ELISA
Target :	CD73
Fields :	>>Purine metabolism;>>Pyrimidine metabolism;>>Nicotinate and nicotinamide metabolism;>>Metabolic pathways;>>Nucleotide metabolism
Gene Name :	NT5E
Protein Name :	5'-nucleotidase
Human Gene Id :	4907
Human Swiss Prot No :	P21589
Mouse Swiss Prot No :	Q61503
Immunogen :	Purified recombinant fragment of CD73 expressed in E. Coli.
Specificity :	CD73 Monoclonal Antibody detects endogenous levels of CD73 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Cell Pathway :	Purine metabolism;Pyrimidine metabolism;Nicotinate and nicotinamide metabolism;

P References :

1. Oncol Rep. 2007 Jun;17(6):1341-6.
2. Neurochem Int. 2003 Dec;43(7):621-8.

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 :

catalytic activity:A 5'-ribonucleotide + H(2)O = a ribonucleoside + phosphate.,cofactor:Zinc.,disease:There is a decrease in the activity of NT5 in B-cell chronic lymphocytic leukemia.,function:Hydrolyzes extracellular nucleotides into membrane permeable nucleosides.,similarity:Belongs to the 5'-nucleotidase family.,subunit:Homodimer; disulfide-linked.,

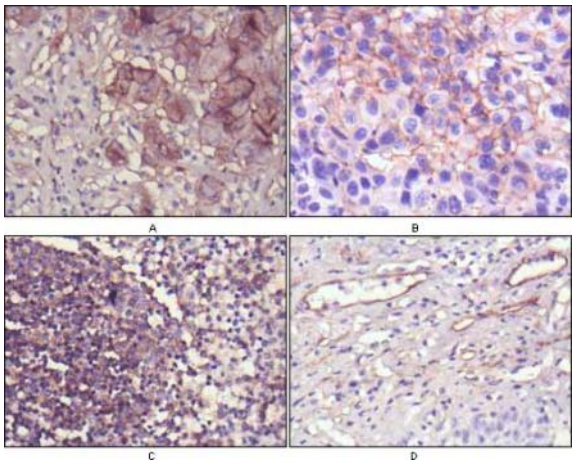
Subcellular Location :

Cell membrane ; Lipid-anchor, GPI-anchor .

Expression :

Leukocyte,Liver,Placenta,Skin,

Products Images



Immunohistochemistry analysis of paraffin-embedded human lung cancer (A), cholangiocarcinorna (B), lymph node (C) and esophagus (D) tissues with DAB staining using CD73 Monoclonal Antibody.