

## CD73 Monoclonal Antibody

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

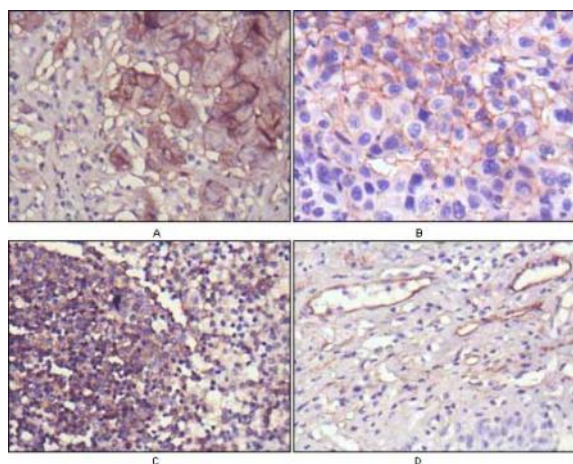
**Subcellular Location :**

Cell membrane ; Lipid-anchor, GPI-anchor .

**Expression :**

Leukocyte,Liver,Placenta,Skin,

## Products Images



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