

Mouse Monoclonal Antibody to NT5E

Order Information

Catalog#	20369	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

5'-nucleotidase, ecto (NT5E), also known as CD73 (Cluster of Differentiation 73). 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.

Specification

Aliases : eN; NT5; CD73

Entrez GeneID : 4907

Swissprot : P21589

clone : 1D7

WB Predicted band size : 70kDa

Host/Isotype : Mouse IgG1

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human

Immunogen : Purified recombinant fragment of NT5E expressed in E. Coli.

Formulation : Ascitic fluid containing 0.03% sodium azide.

Application

IHC	1/200 - 1/1000
ELISA	1/10000

References

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

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Protocol

WB - www.promab.com/protocol/wb.html






IHC - www.promab.com/protocol/ihc.html

ICC - www.promab.com/protocol/icc.html

HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

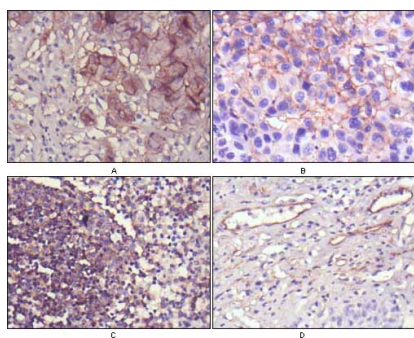
-  Mouse Monoclonal Antibody
-  Rat Monoclonal Antibody
-  Human Antibody
-  Hybridoma Sequencing
-  Polyclonal Antibody

For Research Only

Application Key:WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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Mouse Monoclonal Antibody to NT5E



Immunohistochemical analysis of paraffin-embedded human lung cancer (A), cholangiocarcinoma (B), lymph node (C) and esophagus (D) tissues using NT5E mouse mAb with DAB staining.

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