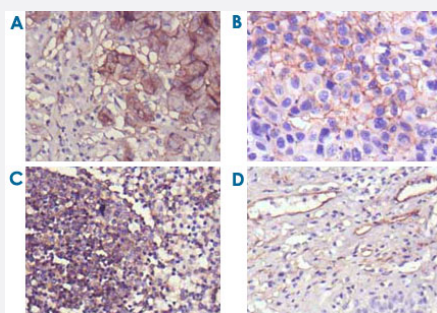


NT5E monoclonal antibody, clone 1D7

Catalog # MAB10838 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer (A), cholangiocarcinoma (B), lymph node (C) and esophagus (D) tissues using NT5E monoclonal antibody, clone 1D7 (Cat # MAB10838) with DAB staining.

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant NT5E.

Immunogen Recombinant protein corresponding to human NT5E.

Host Mouse

Reactivity Human

Form Liquid

Isotype IgG1

Recommend Usage ELISA (1:10000)
Immunohistochemistry (1:200-1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer In ascites (0.03% sodium azide)

Storage Instruction Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer (A), cholangiocarcinoma (B), lymph node (C) and esophagus (D) tissues using NT5E monoclonal antibody, clone 1D7 (Cat # MAB10838) with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NT5E

Entrez GeneID	4907
Gene Name	NT5E
Gene Alias	CD73, E5NT, NT, NT5, NTE, eN, eNT
Gene Description	5'-nucleotidase, ecto (CD73)
Omim ID	129190
Gene Ontology	Hyperlink
Gene Summary	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.[supplied by OMIM]
Other Designations	5' nucleotidase (CD73) 5' nucleotidase, ecto OTTHUMP00000016808 OTTHUMP00000040565 Purine 5-Prime-Nucleotidase ecto-5'-nucleotidase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)

- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Ataxia telangiectasia](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)
- [Fatigue](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Sleep Disorders](#)
- [Sleep Initiation and Maintenance Disorders](#)