

NT5E Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3695
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of NT5E expressed in E. Coli.
Mol wt	70kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC
Concentration	N/A
Full name	N/A
Synonyms	eN;NT5;CD73

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

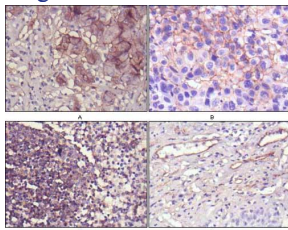
Recommended Dilution

IHC-p: 1:200 - 1:1000

ELISA: 1:10000

Not yet tested in other applications.

Images



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.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.