

Rabbit anti-Human CD73/NT5E Monoclonal Antibody | anti-CD73/NT5E antibody

CD73/NT5E (RM431)

CATALOG # AAA59360	HOST Rabbit	REACTIVITY Human
------------------------------	-----------------------	----------------------------

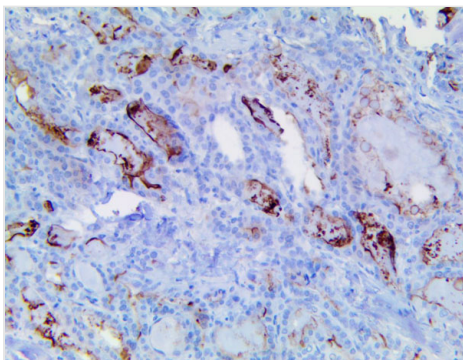
PRODUCT SYNONYMS

CD73/NT5E; Monoclonal Antibody; CD73/NT5E (RM431); cd73; anti-cd73; nt5e; anti-nt5e; Ecto-5'-nucleotidase; anti-Ecto-5'-nucleotidase; anti-CD73/NT5E antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	RM431
Form/Format	Paraffin, Frozen CD73/NT5E is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Recombinant human CD73 protein.
Control	Placenta, Adrenal Gland, Liver, Testis, Transitional Cell Carcinoma, Ovarian Serous Carcinoma
Localization	Cytoplasmic, Membranous
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)

CD73 Antibody Immunohistochemistry on an FFPE Papillary Thyroid Carcinoma Tissue

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-CD73/NT5E antibody	Ecto-5'-nucleotidase (NT5E), or also known as CD73, encoded by the NT5E gene on the human chromosome 6q14.3, is a dimer of two identical 70 kDa subunits. The mature form of CD73 has a molecular weight of 61 kDa. As a plasma membrane protein and expressed in various cell types, CD73 hydrolyzes extracellular adenosine monophosphate (AMP) into adenosine and inorganic phosphate. It performs homeostatic functions and plays an important role in immunity and inflammation. In cells of the immune system, CD73, in combination with CD39, serves as an immunological switch that turns the cell activity from pro-inflammatory toward anti-inflammatory, which is mediated by adenosine. In a study that analyzed several publications conducting IHC analysis, CD73 antibody overexpression was found to be associated with several types of human cancers including Bladder, Brain, Invasive Lobular Breast, Esophageal, Gastric, Pancreatic, Rectal mucinous, Renal Cell, Lung Large Cell, oral cavity Squamous Cell, Melanoma, and Lung Adenocarcinoma Cancers. Studies also found that lymph node metastases correlated with high CD73 expression. One study investigated CD73 in Non-Small Cell Lung Cancer (NSCLC) tissues by IHC and found that CD73 expression is frequently higher in NSCLC tissue, compared to normal tissue, which indicates the prognostic value of CD73 in the tumorigenesis of NSCLC. Another study revealed the prognostic potential of CD73 antibody as a biomarker in Breast Cancer, since CD73 is associated with cancer cell invasion, migration and lymph node metastasis. Other studies showed a positive correlation between CD73 expression with Colorectal Cancer malignancy, and metastatic Melanomas.
---	---

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd73-nt5e-antibody-clone-rm431-elisa/59360>