

Anti-CD73 Antibody (3D377)

Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3D377
Purification:	Protein A

Applications

	Anti-NT5E mouse monoclonal antibody at 1:500 dilution. -Lane A: HepG2 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary
Verified Activity:	-Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution. -Developed using the Odyssey technique. -Performed under reducing conditions. -Predicted band size:63 kDa. -Observed band size:63 kDa
Application:	ELISA,WB
Recommended	WB: 1:500-1:1000; ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD73 / NT5E Protein (TMPY-01851)
Antigen Species:	Human
Synonyms:	NT5;eN;E5NT;NTE;eNT;5'-nucleotidase, ecto (CD73);NT;CALJA;CD73
Biology Area:	Phosphatases and Regulators

Research Background

5'-nucleotidase, also known as NT5E, NTE, and CD73, is a cell membrane protein that belongs to the 5'-nucleotidase family. CD73 is a glycosylphosphatidylinositol (GPI) anchored purine salvage enzyme expressed on the surface of human T and B lymphocytes. CD73 catalyzes the conversion of purine and pyrimidine ribo- and deoxyribonucleoside monophosphates to the corresponding nucleosides. CD73 serves as a costimulatory molecule in activating T cells. CD73 generated adenosine functions in cell signaling in many physiologic systems, including intestinal epithelium, ischemic myocardium, and cholinergic synapses. CD73 might mediate lymphocyte-stromal cell interactions or condition the local microenvironment to facilitate lymphocyte development and/or function. In CD73-depleted cells, surface levels of the leukocyte adhesion molecules ICAM-1, VCAM-1, and E-selectin increase. CD73 produces extracellular adenosine, which then acts on G protein-coupled purinergic receptors to induce cellular responses.

CD73 has also been reported to regulate the expression of pro-inflammatory molecules in mouse endothelium.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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