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Anti-CD73/NT5E Antibody

Catalog # AN1710

Product Information

Application	WB, IP
Primary Accession	P21589
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Clone Names	M064
Calculated MW	63368

Additional Information

Gene ID	4907
Other Names	5'-nucleotidase, NT5E, NTE, CD73, NT5
Target/Specificity	CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5'-nucleotidase family. CD73 is an ecto 5'Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides into membrane permeable nucleosides. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury. CD73 is a lymphocyte maturation marker that has functions independent of its catalytic activity. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'Nucleotidase activity. Defects in NT5E are the cause of calcification of joints and arteries (CAJA). The recombinant CD73 lacking GPI anchor is secreted as a monomer. CD73 has been implicated as a prognostic indicator and therapeutic target in cancers. CD73 may act as an immune checkpoint inhibitor to natural killer cells in tumors, and this activity correlates with tumor invasiveness, metastasis, and poor outcome in cancer patients.
Dilution	WB~~1:1000 IP~~N/A
Format	Protein G Purified
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-CD73/NT5E Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the

5'-nucleotidase family. CD73 is an ecto 5'Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides into membrane permeable nucleosides. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury. CD73 is a lymphocyte maturation marker that has functions independent of its catalytic activity. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'Nucleotidase activity. Defects in NT5E are the cause of calcification of joints and arteries (CAJA). The recombinant CD73 lacking GPI anchor is secreted as a monomer. CD73 has been implicated as a prognostic indicator and therapeutic target in cancers. CD73 may act as an immune checkpoint inhibitor to natural killer cells in tumors, and this activity correlates with tumor invasiveness, metastasis, and poor outcome in cancer patients.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.