

Product datasheet for **TA389098**

NT5E Mouse Antibody [Clone ID: M064]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M064
Applications:	IP, WB
Recommended Dilution:	WB: 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone (M064) was generated from a proprietary antigen related to the mature form of CD73 expressed in the NCI-H1299 lung cancer cell line.
Specificity:	Clone M064 mouse monoclonal antibody detects a 65 kDa* protein on SDSPAGE "Native" immunoblots of human H1299, H1915, and MDA-MB-231 carcinomas. This antibody weakly detects denatured CD73. The antibody works for native western blot, immunoprecipitation, and ELISA.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	65
Database Link:	P21589



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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.

Note:

Protein G purified tissue culture supernatant.