NT5E Mouse mAb

E220220340

Swiss-Prot No.:	P21589
Alternname:	NT5E
Storage/Stability:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Immunogen:	Purified recombinant fragment of NT5E expressed in E. Coli.
Purification:	Ascitic fluid
Reactivity:	Human
Other Names:	eN; NT5; CD73
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

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	inhibition by inorganic phosphate.
Gene ID:	4907
Cellular localization:	Cell membrane, Membrane
Source:	Mouse
Antibody type:	Monclonal antibody
Isotype:	Mouse IgG1
Molecular Weight:	70kDa
Preservative:	Ascitic fluid containing 0.03% sodium azide.
Recommended Dilutions:	WB: N/A; IHC: 1/200 - 1/1000; ICC: N/A; FCM: N/A; Elisa: 1/10000
Clone Number:	1D7