



## CD73 Antibody [AD2] (APC)

CATALOG NUMBER: 76-312

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	FACS
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The AD2 monoclonal antibody specifically reacts with human CD73 (ecto-5'-nucleotidase), a 70 kDA glycosyl phosphatidylinositol (GPI)-anchored glycoprotein.
<b>HOST SPECIES:</b>	Mouse

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
<b>CONCENTRATION:</b>	5 uL (0.125 ug) / test
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Mouse IgG1, kappa
<b>CONJUGATE:</b>	APC

### Additional Info

<b>ALTERNATE NAMES:</b>	NT, eN, NT5, NTE, eNT, CD73, E5NT, CALJA, NT5E
<b>OFFICIAL SYMBOL:</b>	NT5E
<b>GENE ID:</b>	4907

### Background

<b>BACKGROUND:</b>	The AD2 monoclonal antibody specifically reacts with human CD73 (ecto-5'-nucleotidase), a 70 kDA glycosyl phosphatidylinositol (GPI)-anchored glycoprotein. CD73 catalyzes the dephosphorylation of adenosine monophosphate (AMP) to adenosine and is expressed on subsets of B, T, dendritic, endothelial, and mesenchymal stem cells. It is also involved in the adhesion of lymphocytes to endothelium and T cell activation.
<b>REFERENCES:</b>	<p>1) Schlossman, S. F. (1995). Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.</p> <p>2) Nakamura, T., Kubagawa, H., Ohno, T., Cooper, M. D. (1993). Characterization of an IgM Fc-binding receptor on human T cells. The Journal of Immunology, 151(12), 6933-6941.</p> <p>3) Alam, M. S., Kurtz, C. C., Rowlett, R. M., Reuter, B. K., Wiznerowicz, E., Das, S., ... Ernst, P. B. (2009). CD73 is expressed by human regulatory T helper cells and suppresses proinflammatory cytokine production and Helicobacter felis-induced gastritis in mice. Journal of Infectious Diseases, 199(4), 494-504.</p>

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