

Product datasheet for **AM26144PU-N**

CD73 (NT5E) Mouse Monoclonal Antibody [Clone ID: AD2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AD2
Applications:	FC
Recommended Dilution:	Flow cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD73, a 70 kDa GPI-anchored 5'-nucleotidase expressed predominantly on T and B cell subsets, follicular dendritic cells and endothelial cells.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	5'-nucleotidase ecto
Database Link:	Entrez Gene 4907 Human P21589



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Background:

CD73 (ecto-5'-nucleotidase) is a 70 kDa glycoprotein anchored to the extracellular leaflet of the plasma membrane by GPI. This ecto-enzyme catalyzes dephosphorylation of AMP to adenosine. CD73 is expressed in various types of cells, such as epithelial, muscle, and endothelial cells, neutrophils, lymphocytes and fibroblasts. Inflammatory mediators support CD73 expression and its enzymatic activity, leading to the release of adenosine, which modulates inflammation through adenosine receptors. CD73 is expressed in a variety of lymphomas and leukemias, including ALL and CLL, whereas immunodeficient patients usually express low levels of this protein.

Synonyms:

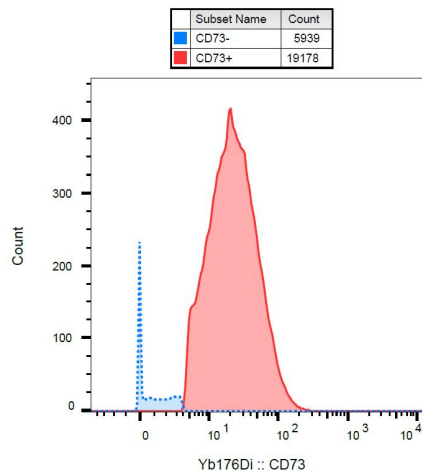
NT5, NTE, NT5E

Protein Families:

ES Cell Differentiation/IPS, Transmembrane

Protein Pathways:

Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism

Product images:

Surface staining (mass cytometry) of PBMC after Ficoll-Paque separation with anti-human CD73 (AD2) Yb176.