

Mouse anti-Human CD73 Monoclonal Antibody | anti-CD73 antibody

Anti-Hu CD73 APC-Cyanine7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128407	Mouse	Human	Flow Cytometry, Functional Assay

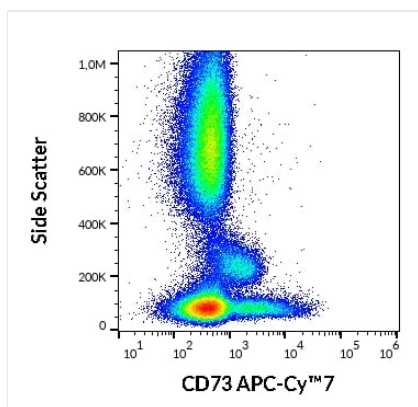
PRODUCT SYNONYMS

CD73; Monoclonal Antibody; Anti-Hu CD73 APC-Cyanine7; 5'-nucleotidase ecto; ecto-5'nucleotidase; NT5E; E5NT; CALJA; NTE; anti-CD73 antibody

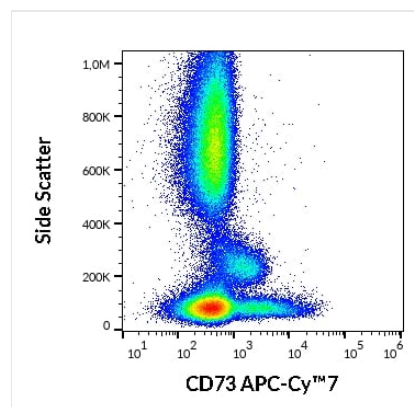
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	AD2
Specificity	The mouse monoclonal antibody AD2 recognizes CD73, a 70 kDa GPI-anchored 5'-nucleotidase expressed predominantly on the surface of T and B cell subsets, follicular dendritic cells and endothelial cells.
Purity/Purification	The purified antibody is conjugated with tandem dye APC-Cyanine7 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	574
Applicable Applications for anti-CD73 antibody	FCM/FACS (Flow Cytometry)
Conjugation	APC-Cyanine7
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

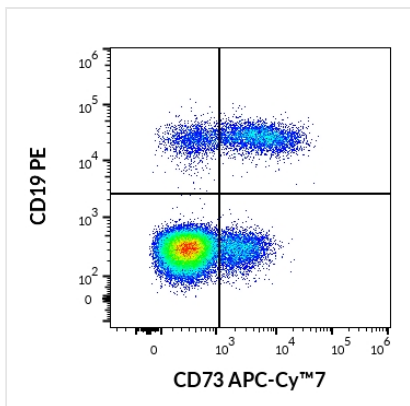
IMAGES


FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD73 (AD2) APC-Cy™7 antibody (4 ul reagent / 100 ul of peripheral whole blood).


FCM/FACS (Flow Cytometry)

Separation of human CD73 positive B cells (red-filled) from CD19 negative CD73 negative Lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD73 (AD2) APC-Cy™7 antibody (4 ul reagent / 100 ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD19 (LT19) PE antibody (4 ul reagent / 100 ul of peripheral whole blood) and anti-human CD73 (AD2) APC-Cy™7 antibody (4 ul reagent / 100 ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD73 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	112825
NCBI GeneID	4907
UniProt Accession #	P21589
NCBI Official Full Name	5'-nucleotidase
NCBI Official Synonym Full Names	5'-nucleotidase ecto
NCBI Official Symbol	NT5E
NCBI Official Synonym Symbols	NT; eN; NT5; NTE; eNT; CD73; E5NT; CALJA
NCBI Protein Information	5'-nucleotidase
UniProt Protein Name	5'-nucleotidase
UniProt Gene Name	NT5E
UniProt Synonym Gene Names	NT5; NTE; 5'-NT
UniProt Entry Name	5NTD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd73-antibody-clone-ad2-flow-cytometry-elisa/128407>