ARG42312
anti-CD73 antibody [AD2] (APC)

Package: 50 tests
Store at: 4°C

Summary

Product Description	APC-conjugated Mouse Monoclonal antibody [AD2] recognizes CD73
Tested Reactivity	Hu
Tested Application	FACS
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.
Host	Mouse
Clonality	Monoclonal
Clone	AD2
Isotype	IgG1, kappa
Target Name	CD73
Species	Human
Immunogen	Human CD73.
Conjugation	APC
Alternate Names	5'-nucleotidase; CD antigen CD73; eN; CALJA; CD73; EC 3.1.3.5; NT; Ecto-5'-nucleotidase; NT5; E5NT; 5'-NT; eNT; NTE

Application Instructions

Application table

Application	Dilution
FACS	10 µl / 100 µl of whole blood or 10^6 cells

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

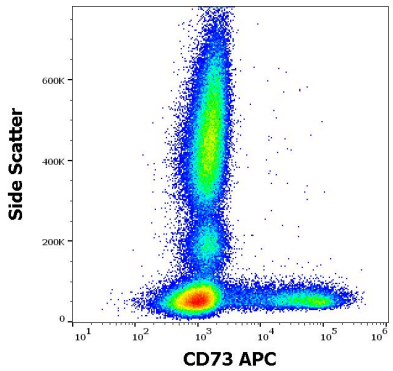
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

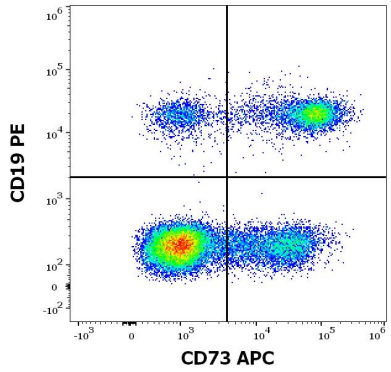
Gene Symbol	NT5E
Gene Full Name	5'-nucleotidase, ecto (CD73)
Background	The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]
Function	Hydrolyzes extracellular nucleotides into membrane permeable nucleosides. Exhibits AMP-, NAD-, and NMN-nucleosidase activities. [UniProt]
Calculated Mw	63 kDa
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



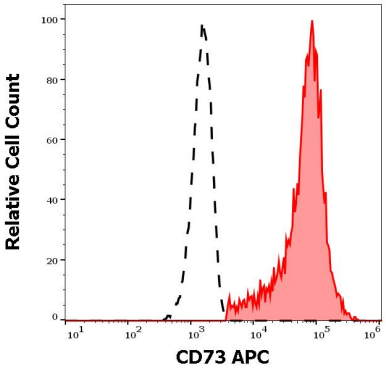
ARG42312 anti-CD73 antibody [AD2] (APC) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG42312 anti-CD73 antibody [AD2] (APC) at 10 µl / 100 µl of peripheral whole blood.



ARG42312 anti-CD73 antibody [AD2] (APC) FACS image

Flow Cytometry: Human lymphocytes stained with ARG42312 anti-CD73 antibody [AD2] (APC) at 10 µl / 100 µl of peripheral whole blood and ARG53783 anti-CD19 antibody [LT19] (PE) at 20 µl / 100 µl of peripheral whole blood.



ARG42312 anti-CD73 antibody [AD2] (APC) FACS image

Flow Cytometry: Separation of Human CD73 positive CD19 positive B cells (red-filled) from neutrophil granulocytes (black-dashed). Human peripheral whole blood stained with ARG42312 anti-CD73 antibody [AD2] (APC) at 10 µl / 100 µl of peripheral whole blood.