

# CD73 Monoclonal Antibody (AD2), eFluor™ 450, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AD2
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11041811

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	35 Publications

## Product Specific Information

**Description:** This AD2 monoclonal antibody reacts with human CD73, a 5'-ectonucleotidase that converts 5'-adenosine monophosphate to adenosine. CD73 is expressed on the surface of endothelial cells, as well as B and T cells, including some CD4+Foxp3+ regulatory T cells. Adenosine production by these cells has been linked to the inhibition of CD4 T cell effector functions such as proliferation and cytokine secretion.

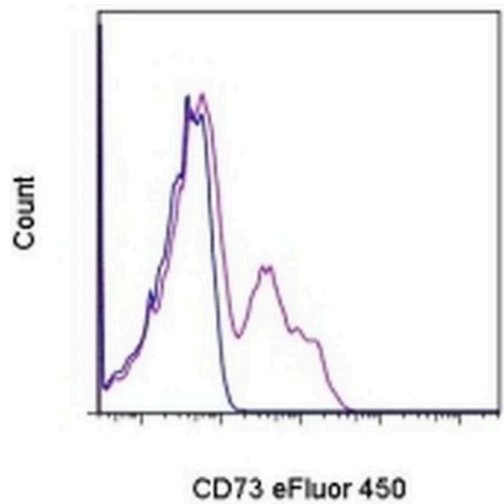
**Applications Reported:** This AD2 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This AD2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

**Excitation:** 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.



**CD73 Antibody (48-0739-42) in Flow**  
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control eFluor® 450 (Product # 48-4714-82) (blue histogram) or Anti-Human CD73 eFluor® 450 (purple histogram). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

[35 References](#)

Flow Cytometry (35)

Frontiers in bioengineering and biotechnology	Year 2022
<b>Impact of Fibronectin Knockout on Proliferation and Differentiation of Human Infrapatellar Fat Pad-Derived Stem Cells.</b>	
"Published figure using CD73 monoclonal antibody (Product # 48-0739-42) in Flow Cytometry"	
Authors: Wang Y,Fu Y,Yan Z,Zhang XB,Pei M	
Molecular medicine (Cambridge, Mass.)	Year 2022
<b>hUCMSCs carrying exenatide prevent T1DM by improving intestinal microflora composition and islet tissue damage repair.</b>	
"Published figure using CD73 monoclonal antibody (Product # 48-0739-42) in Flow Cytometry"	
Authors: Wang W,Wang Y,Chi J,Tan X,Hu J,Ma X,Sun X,Che K,Lv W,Wang Y	

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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