

# CD73 Monoclonal Antibody (AD2), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AD2
Conjugate	PE
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10733263

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	16 Publications

## Product Specific Information

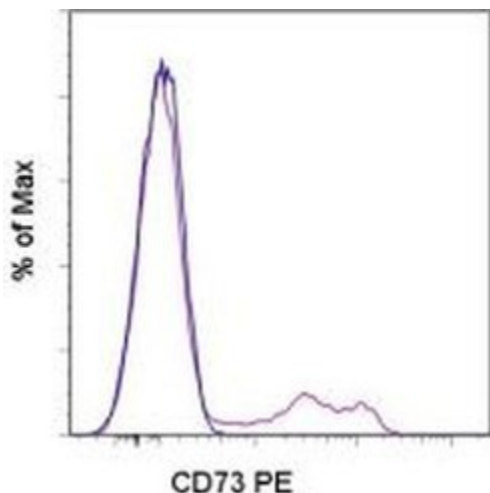
**Description:** This AD2 monoclonal antibody reacts with human CD73, a 5'-ectonucleotidase that converts 5'-adenosine monophosphate to adenosine. CD73 is expressed on the surface of endothelial cells, as well as B and T cells, including some CD4+Foxp3+ regulatory T cells. Adenosine production by these 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 (0.125 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.

**Excitation:** 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

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



### CD73 Antibody (12-0739-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (blue histogram) or Anti-Human CD73 PE (purple histogram). Cells in the lymphocyte gate were used for analysis.

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## 16 References

### Flow Cytometry (16)

NPJ Regenerative medicine

#### CRISPR/Cas9-based genetic correction for recessive dystrophic epidermolysis bullosa.

"Published figure using CD73 monoclonal antibody (Product # 12-0739-42) in Flow Cytometry"

Authors: Webber BR, Osborn MJ, McElroy AN, Twaroski K, Lonetree CL, DeFeo AP, Xia L, Eide C, Lees CJ, McElmurry RT, Riddle MJ, Kim CJ, Patel DD, Blazar BR, Tolar J

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2019

Inflammation and regeneration

#### Effects of acute exposure to low-dose radiation on the characteristics of human bone marrow mesenchymal stromal/stem cells.

"12-0739 was used in Flow cytometry/Cell sorting to determine whether low dose irradiation affects the function of mesenchymal stromal/stem cells."

Authors: Fujishiro A, Miura Y, Iwasa M, Fujii S, Sugino N, Andoh A, Hirai H, Maekawa T, Ichinohe T

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2019

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

## More applications with references on thermofisher.com

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