

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

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Rat, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	AD2
Conjugate	FITC
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_10596508

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	32 Publications

## Product Specific Information

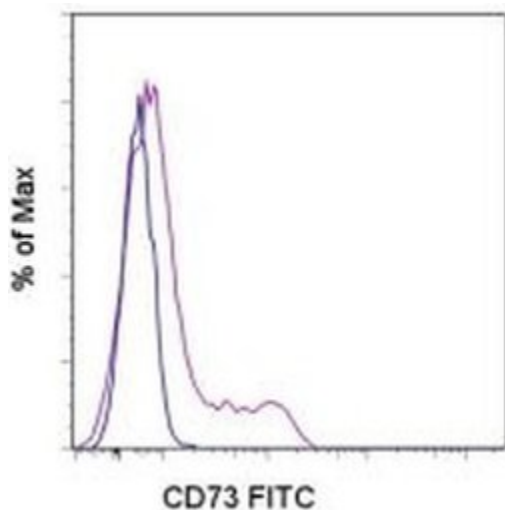
**Description:** This AD2 monoclonal antibody reacts with human CD73, a 5'-ectonucleotidase that converts 5'-adenosine monophosphate to adenosine. CD73 is expressed on the surface of endothelial cells, as well as B and T cells, including some CD4+Foxp3+ regulatory T cells. Adenosine production by these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

**Excitation:** 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

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



### CD73 Antibody (11-0739-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control FITC (Product # 11-4714-42) (blue histogram) or Anti-Human CD73 FITC (purple histogram). Cells in the lymphocyte gate were used for analysis.

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## 32 References

### Flow Cytometry (32)

Stem cells international

#### Therapeutic Effects of Human Urine-Derived Stem Cells in a Rat Model of Cisplatin-Induced Acute Kidney Injury In Vivo and In Vitro.

"11-0739 was used in Flow cytometry/Cell sorting to demonstrate that urine-derived stem cells (USC) therapy significantly improves the renal function and histological damage, inhibited the inflammation and apoptosis processes in the kidney, and promoted tubular epithelial proliferation."

Authors: Sun B,Luo X,Yang C,Liu P,Yang Y,Dong X,Yang Z,Xu J,Zhang Y,Li L

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2021

Stem cells international

#### Differentiation Potential of Early- and Late-Passage Adipose-Derived Mesenchymal Stem Cells Cultured under Hypoxia and Normoxia.

"Published figure using CD73 monoclonal antibody (Product # 11-0739-42) in Flow Cytometry"

Authors: Zhao AG,Shah K,Freitag J,Cromer B,Sumer H

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

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

## More applications with references on thermofisher.com

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