

# CD73 Monoclonal Antibody (AD2), NovaFluor™ Red 685, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	AD2
Conjugate	NovaFluor™ Red 685
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.4 µg)/test	-

## Product Specific Information

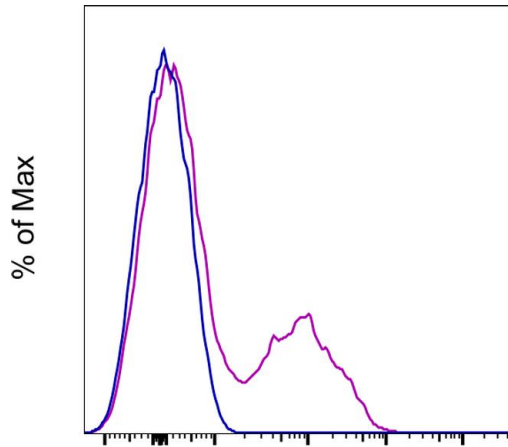
**Description:** This AD2 monoclonal antibody reacts with human CD73, a 5'-ectonucleotidase that converts 5'-adenosine monophosphate to adenosine. CD73 is expressed on the surface of endothelial cells, as well as B and T cells, including some CD4+Foxp3+ regulatory T cells. Adenosine production by these 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 (0.4 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.

Each NovaFluor conjugate or kit is shipped with CellBlox Blocking Buffer. Use this buffer whenever staining with NovaFluor conjugates, including single color compensation controls using cells. Use 5 µL of CellBlox Blocking Buffer per stained cell sample containing 10<sup>3</sup> to 10<sup>8</sup> cells.

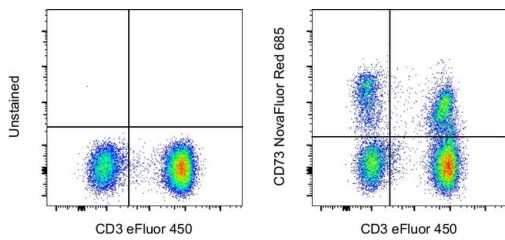
**Excitation:** 637 nm; **Emission:** 685 nm; **Laser:** 633-640 nm (Red) Laser



CD73 NovaFluor Red 685

**CD73 Antibody (H016T03R02) in Flow**

Normal human PBMCs were either left unstained (blue histogram) or stained with CD73 Monoclonal Antibody, NovaFluor Red 685 (purple histogram) and acquired on a 5-laser Cytex Aurora. Cells in the lymphocyte gate were used in the analysis. Total viable cells in the lymphocyte gate were used for analysis, as determined by LIVE /DEAD Blue (Product # L34962).



**CD73 Antibody (H016T03R02) in Flow**

Normal human peripheral blood cells were unstained (left) or stained with CD73 NovaFluor Red 685 (Product # H016T02R02) (right). All cells were co-stained with CD3 Monoclonal Antibody, eFluor450 (Product # 48-0038-82). Data was acquired on a 5-laser Cytex Aurora. Cells in the lymphocyte gate were used for analysis.

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