

cFluor[®] B532 Anti-Human CD73 (AD2)

PRODUCT DETAILS	
Catalog Number:	R7-20017 (100 tests) R7-20018 (25 tests)
Reactivity:	Human, Baboon
Clone:	AD2
Format:	cFluor [®] B532*
Isotype:	Mouse IgG1, κ
Test Dilution:	5 μL / test
Application:	Flow cytometry
Formulation:	Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide and 0.2% BSA (BSA Country of Origin USA)
Storage:	2-8°C and protected from light. Do not freeze

PRODUCT DESCRIPTION

The AD2 monoclonal antibody binds to human CD73, a 70-kDa glycosyl phosphatidylinositol (GPI)-linked 5'-nucleotidase. CD73, also known as ecto-5'-nucleotidase, has enzymatic activity to convert extracellular adenosine 5'-monophosphate (AMP) to adenosine^{1,2}. It is present in subsets of both T and B cells and at high level on B cells³. It is also expressed on mesenchymal stem cells, follicular dendritic cells, epithelial cells and endothelial cells. The antibody was conjugated to a fluorophore and purified by affinity chromatography.

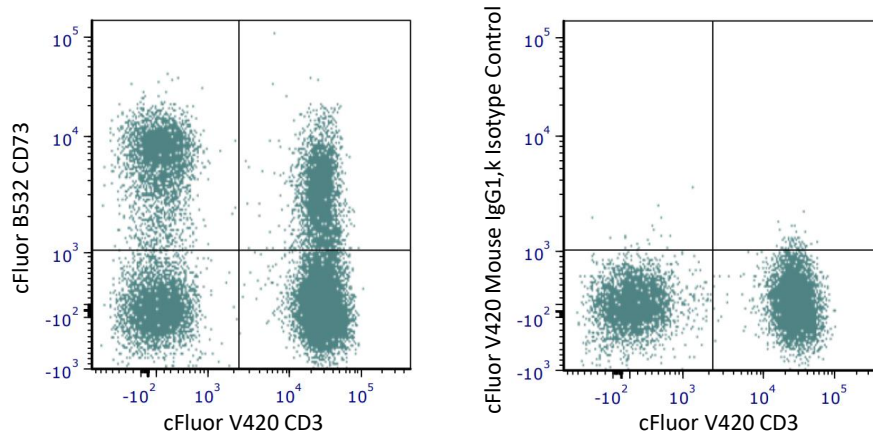
RECOMMENDED USAGE

Each lot of this antibody is quality control tested using flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 μL per 1 million cells in a staining volume of 100 μL. If whole blood is analyzed, then use 5 μL per 100 μL. It is recommended that users titrate the antibody to obtain the optimal result for their specific application.

Please briefly centrifuge the reagent vial before use.

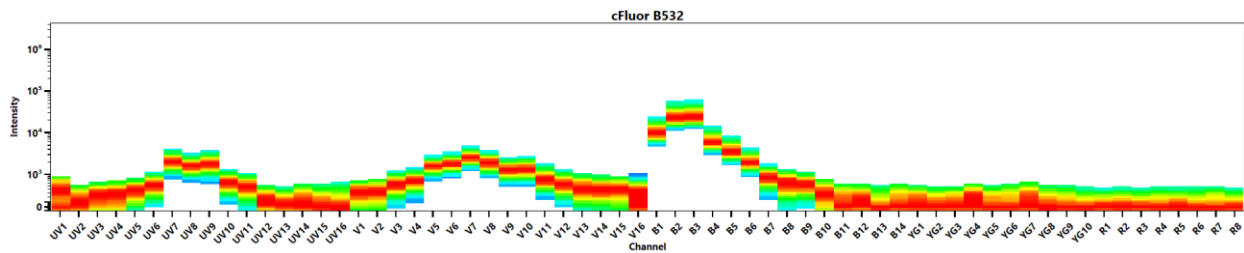
Use appropriate personal protective equipment per the product safety data sheet when using this product.

PRODUCT DATA



Human peripheral lymphocytes stained with iFluor® 405 CD3 and cFluor® B532 CD73 (clone AD2) (left) or mouse cFluor® B532 IgG1, κ isotype control (right).

Spectral signature of cFluor® B532 from a Cytex® Aurora 5 laser system equipped with 355, 405, 488, 561 and 640 nm lasers using CytekAssaySetting.



REFERENCES

1. Thomson LF, et al. 1990. Tissue Antigens. 35(1):9-19.
2. Antonioli L, et al. 2013. Trends Mol Med. 19(6):355-367
3. Minor M, et al. 2019. Am J Physiol Cell Physiol. 317(6):C1079-C1092

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