

# Anti-Human CD73-168Er

Catalog: 3168015B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Human

Clone: AD2

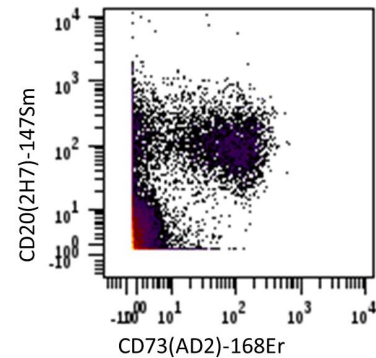
Isotype: IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 168Er-anti-CD73(AD2) and 147Sm-anti-CD20(2H7). Total viable cells are displayed in the analysis.

## Description

CD73, also known as ecto-5'-nucleotidase, is a 70 kD glycoposphatidylinositol (GPI)-linked 5'-nucleotidase. CD73 is expressed on bone marrow derived multipotent mesenchymal stem cells (MSCs) and is one of the three positive markers for identifying MSCs. CD73 is expressed on subsets of follicular dendritic cells, epithelial cells, endothelial cells, and s T and B lymphocytes, where its expression increases during development. CD73 catalyzes the dephosphorylation of adenosine monophosphate (AMP) converting it to adenosine. There is also evidence that CD73 can mediate costimulatory signals in T cell activation and adhesion of lymphocytes to endothelium.

## References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

### For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

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 PHONE **United States (toll-free)** +1 866 358 4354 | **Europe** +33 1 60 92 42 40 | **Japan** +81 3 3662 2150 | **China** +86 21 3255 8368 | **All other countries** +1 650 266 6100

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