

Anti-Mouse CD73-154Sm

Catalog: 3154019B

Package size: 100 tests

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

Clone: TY/11.8

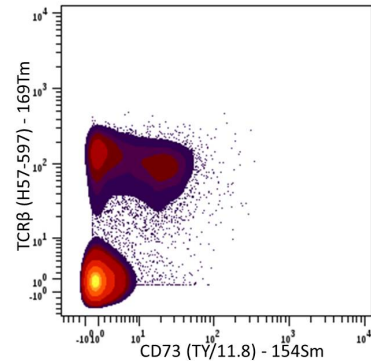
Isotype: Rat IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

Technical Information

Validation: Each lot of conjugated antibody is quality control-tested by CyTOF[®] 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 × 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 169Tm-anti-TCRβ (H57-597) and 154Sm-anti-CD73 (TY/11.8).

Description

CD73, also known as ecto-5'-nucleotidase, is a 70 kDa 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 follicular dendritic cells, epithelial cells, endothelial cells and subsets of 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 (2009): 6,813–22.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *Journal of Immunological Methods* 361 (2010): 1–20.

For technical support visit fluidigm.com/support.

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