SONY

Product Data Sheet

APC/Cyanine7 anti-mouse CD73

Catalog # / Size: 1236155 / 25 µg
1236160 / 100 µg

Clone: TY/11.8

Isotype: Rat IgG1, κ

Immunogen: CHO cells transfected with mouse CD73

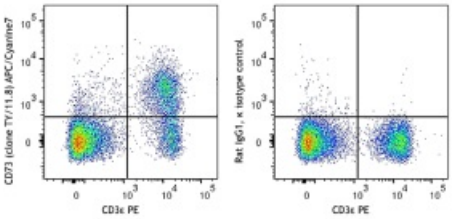
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: 750 under optimal conditions.

Concentration: 0.2



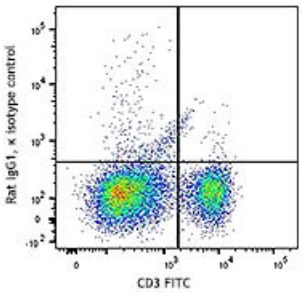
C57BL/6 mouse splenocytes were first treated with TruStain FcX™ (anti-mouse CD16/32) Antibody and True-Stain Monocyte Blocker™. Cells were then stained with CD3ε PE and CD73 (clone TY/11.8) APC/Cyanine7 (left) or Rat IgG1, κ APC/Cyanine7 isotype control (right).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry of acetone-fixed frozen tissue sections.



C57BL/6 mouse bone marrow cells were stained with CD150 (SLAM) (clone TC15-12F12.2) APC/Fire™ 750 (filled histogram) or rat IgG2a, κ APC/Fire™ 750 isotype control (open histogram).

Application References:

1. Yamshita Y, *et al* 1998. *Eur. J. Immunol.* 28:2981.
2. Bentley JK, *et al.* 2010. *Respir. Res.* 11:127. (IHC-P)

Description: CD73 (ecto-5'-nucleotidase) is a 69 kD GPI-anchored surface protein. In mice, expression of CD73 in bone marrow is restricted to CD11b^{+} myeloid cells. In spleen, it is largely expressed on T cells.

Antigen References:

1. Yamashita Y, *et al* 1998. *Eur. J. Immunol.* 28:2981.
2. Resta R, *et al.* 1998. *Immunol. Rev.* 161:95.

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Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com