

FITC anti-mouse CD73 Antibody

Catalog# / Size	127219 / 25 µg 127220 / 100 µg
Clone	TY/11.8
Regulatory Status	RUO
Other Names	Ecto-5'-nucleotidase
Isotype	Rat IgG1, κ
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.

Product Details

Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	CHO cells transfected with mouse CD73
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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 ≤ 0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm)
Application References	1. Yamshita Y, <i>et al</i> 1998. <i>Eur. J. Immunol.</i> 28:2981. 2. Bentley JK, <i>et al.</i> 2010. <i>Respir. Res.</i> 11:127. (IHC-P)
(PubMed link indicates BioLegend citation)	
Product Citations	1. Huang Z, <i>et al.</i> 2020. <i>Mol Med Rep.</i> 1.979166667. PubMed
RRID	AB_2716075 (BioLegend Cat. No. 127219) AB_2716076 (BioLegend Cat. No. 127220)

Antigen Details

Structure	69 kD GPI-anchored surface protein
Distribution	Positive on most CD11b ⁺ myeloid cells in bone marrow, but not on CD11b ⁺ peripheral cells; a large proportion of CD4 ⁺ and CD8 ⁺ splenic T cells express CD73
Function	A nucleotidase catalyzing the dephosphorylation of extracellular nucleoside 5' monophosphates

Ligand/Receptor	Nucleoside 5' monophosphate
Cell Type	B cells, Mesenchymal Stem Cells, Tregs
Biology Area	Costimulatory Molecules, Immunology, Stem Cells
Molecular Family	CD Molecules
Antigen References	1. Yamashita Y, <i>et al</i> 1998. <i>Eur. J. Immunol.</i> 28:2981. 2. Resta R, <i>et al.</i> 1998. <i>Immunol. Rev.</i> 161:95.
Regulation	Expression is regulated by the development and maturation of leukocytes
Gene ID	23959

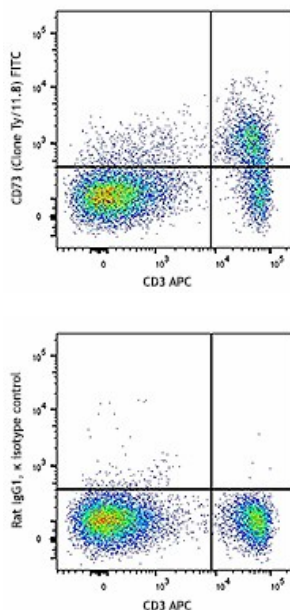
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse CD73, Biotin anti-mouse CD73, PE anti-mouse CD73, Alexa Fluor® 647 anti-mouse CD73, APC anti-mouse CD73, Pacific Blue™ anti-mouse CD73, PerCP/Cyanine5.5 anti-mouse CD73, Brilliant Violet 605™ anti-mouse CD73, Brilliant Violet 421™ anti-mouse CD73, FITC anti-mouse CD73, PE/Cyanine7 anti-mouse CD73, APC/Fire™ 750 anti-mouse CD73, Alexa Fluor® 594 anti-mouse CD73, TotalSeq™-A0077 anti-mouse CD73, PE/Dazzle™ 594 anti-mouse CD73, Alexa Fluor® 700 anti-mouse CD73, APC/Cyanine7 anti-mouse CD73, TotalSeq™-B0077 anti-mouse CD73, TotalSeq™-C0077 anti-mouse CD73

Product Data



Mouse splenocytes stained with APC CD3 and CD73 (clone Ty/11.8) FITC (top) or Rat IgG1, κ FITC (bottom).

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BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587

