



Alexa Fluor® 700 anti-mouse CD73 Antibody

Catalog# / Size	127229 / 25 µg 127230 / 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

Verified 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 Alexa Fluor® 700 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	<p>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.</p> <p>* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.</p> <p>Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation.</p> <p>View full statement regarding label licenses</p>
Excitation Laser	Red Laser (633 nm)
Application References	<ol style="list-style-type: none">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)	
RRID	AB_2800624 (BioLegend Cat. No. 127229) AB_2800625 (BioLegend Cat. No. 127230)

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

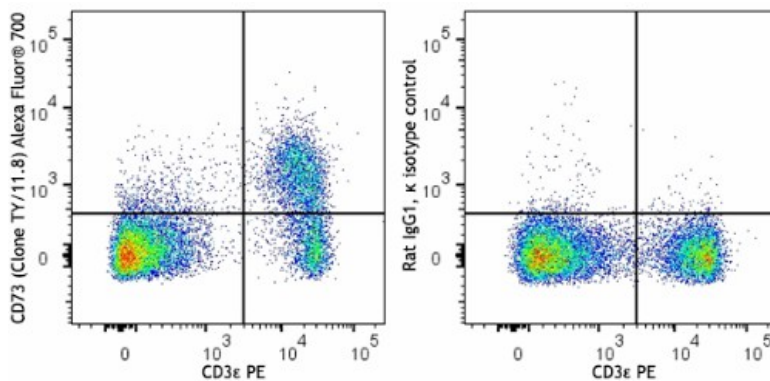
Related Protocols

[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



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) Alexa Fluor® 700 (left) or rat IgG1, κ Alexa Fluor® 700 isotype control (right).

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