

CD73 Monoclonal Antibody (eBioTY/11.8 (TY/11.8)), Functional Grade, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioTY/11.8 (TY/11.8)
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_1907408

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	19 Publications
Functional Assay (FN)	Assay-Dependent	-
Control (Ctrl)	Assay-Dependent	-

Product Specific Information

Description: eBioTY/11.8 recognizes the with CD73 a 69-kDa GPI-anchored cell-surface protein with ecto-5'-nucleotidase activity. Expression on myeloid cells (CD11b) is restricted to the bone marrow. In human CD73 can be induced to secrete a soluble form with IL-2 suggesting a role in mediating activation signals. Differences between human and mouse CD73 have been reported. BALB/c mice have more CD4+CD73+ than CD8+CD73+ while the reciprocal is documented in humans.

CD73 is expressed on a subset of lymphocytes and increases during lymphocyte maturation. Recently it has been found that memory CD4 T cells express and are similar to the uncommitted primed precursor helper cells (Thpp) that can differentiate into Th1 or Th2 cells. Furthermore CD73 has been found on regulatory T cells.

Applications Reported: This eBioTY/11.8 (TY/11.8) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioTY/11.8 (TY/11.8) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Storage and handling: Use in a sterile environment.

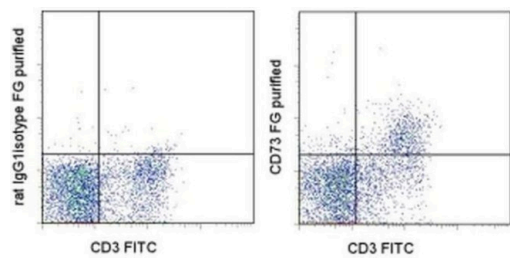
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

Product Images For CD73 Monoclonal Antibody (eBioTY/11.8 (TY/11.8)), Functional Grade, eBioscience™



CD73 Antibody (16-0731-82) in Flow
Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (Product # 11-0031-82) and 0.25 µg of Rat IgG1 K Isotype Control Functional Grade Purified (Product # 16-4301-81) (left) or 0.25 µg of Anti-Mouse CD73 Functional Grade Purified (right) followed by Anti-Rat IgG PE (Product # 12-4822). Total viable cells were used for analysis.

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Immunohistochemistry (4)

<p>Science advances</p> <p>Dysregulation of ectonucleotidase-mediated extracellular adenosine during postmenopausal bone loss.</p> <p>"Published figure using CD73 monoclonal antibody (Product # 16-0731-82) in Immunofluorescence"</p> <p>Authors: Shih YV,Liu M,Kwon SK,lida M,Gong Y,Sangaj N,Varghese S</p>	<p>Year</p> <p>2019</p>
<p>The Journal of experimental medicine</p> <p>VEGF expands erythropoiesis via hypoxia-independent induction of erythropoietin in noncanonical perivascular stromal cells.</p> <p>"Published figure using CD73 monoclonal antibody (Product # 16-0731-82) in Immunohistochemistry"</p> <p>Authors: Greenwald AC,Licht T,Kumar S,Oladipupo SS,Iyer S,Grunewald M,Keshet E</p>	<p>Year</p> <p>2019</p>
<p>View more IHC references on thermofisher.cn</p>	

Immunocytochemistry (2)

<p>The Journal of experimental medicine</p> <p>VEGF expands erythropoiesis via hypoxia-independent induction of erythropoietin in noncanonical perivascular stromal cells.</p> <p>"Published figure using CD73 monoclonal antibody (Product # 16-0731-82) in Immunohistochemistry"</p> <p>Authors: Greenwald AC,Licht T,Kumar S,Oladipupo SS,Iyer S,Grunewald M,Keshet E</p>	<p>Year</p> <p>2019</p>
<p>Chemical senses</p> <p>Characterization and turnover of CD73/IP(3)R3-positive microvillar cells in the adult mouse olfactory epithelium.</p> <p>"16-0731 was used in Immunofluorescence to indicate that CD73-microvillar cells likely differentiate from proliferating progenitor cells and have a slow turnover."</p> <p>Authors: Pfister S,Dietrich MG,Sidler C,Fritschy JM,Knuesel I,Elsaesser R</p>	<p>Year</p> <p>2012</p> <p>Species</p> <p>Mouse</p>

More applications with references on thermofisher.cn

Flow (19)

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