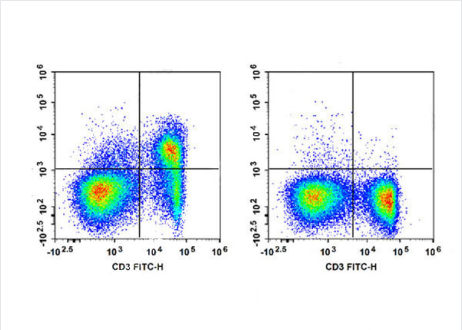
CD73 Antibody – Rat Monoclonal

PRODUCT OVERVIEW

Product Name	CD73, Monoclonal Antibody
Full Product Name	Fluor700 Anti-Mouse CD73 Antibody [TY/23]
Product Gene Name	anti-CD73 antibody
Product Synonym Names	Nte; 5'-NT; 5'-nucleotidase; CD73; Ecto-5'-nucleotidase; Nt5; Nt5e
Clonality	Monoclonal
Isotype	Rat IgG2a, kappa
Clone Number	TY/23
Host	Rat
Species Reactivity	Mouse
Form/Format	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD73 (MBS2579454) Isotype Control: IgG2a,kappa Clone #2A3 (MBS2579347)
Molecular Weight	63,864 Da
3D Structure	ModBase 3D Structure for Q61503
Conjugation	Fluor700
Product Categories/Family for anti-CD73 antibody	Flow Cytometry Antibodies; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD73 antibody	Flow Cytometry (FC/FACS/FCM)
Related Product Information for anti-CD73 antibody	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.
Other Notes	Small volumes of anti-CD73 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD73 purchase	MBS2579454 is an antibody targeting CD73. Also known as Fluor700 Anti-Mouse CD73 Antibody [TY/23]. Reactive in Mouse. Host: Rat.



Flow Cytometry (FC/FACS) of anti-CD73 antibody
Staining of C57BL/6 murine splenocytes cells with Fluor 700 Anti-Mouse CD73 Antibody [TY/23] and FITC Anti-Mouse CD3 Antibody [17A2] (left) or Fluor 700 Rat IgG2a, kappa Isotype Control (right). Total viable cells were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD73. It may not necessarily be applicable to this product.

NCBI GI #	13431280
NCBI GeneID	23959
NCBI Accession #	Q61503.2
UniProt Primary Accession #	Q61503
UniProt Secondary Accession #	Q3U3S1
UniProt Related Accession #	Q61503
NCBI Official Full Name	5'-nucleotidase
NCBI Official Synonym Full Names	5' nucleotidase, ecto
NCBI Official Symbol	Nt5e
NCBI Official Synonym Symbols	NT; Nt5; eNT; CD73; 5'-NT; AI447961; 2210401F01Rik
UniProt Protein Name	5'-nucleotidase
UniProt Synonym Protein Names	Ecto-5'-nucleotidase; CD_antigen: CD73
UniProt Gene Name	Nt5e
UniProt Synonym Gene Names	Nt5; Nte; 5'-NT
NCBI Protein Information	5'-nucleotidase
NCBI Summary for CD73	This gene encodes a membrane-bound nucleotidase that hydrolyzes extracellular nucleoside monophosphates. The encoded preproprotein undergoes proteolytic processing to generate to a functional, homodimeric enzyme that preferentially uses adenosine monophosphate as a substrate to generate free adenosine. Mice lacking the encoded protein exhibit a significantly reduced fall in stop flow pressure and superficial nephron glomerular filtration rate in response to a saturating increase of tubular perfusion flow. [provided by RefSeq, Sep 2016]
UniProt Comments for CD73	Hydrolyzes extracellular nucleotides into membrane permeable nucleosides.
Research Articles on CD73	**1.** The 5'-ectonucleotidase CD73 has a key role in regulating macrophage immune responses during efferocytosis by converting AMP released from apoptotic cells into adenosine to suppress multiple pro-inflammatory cytokines.
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