

Mouse anti-CD73

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Store at 2 to 8°C (short-term), or -20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Mouse IgG_{2a}K
Reactivity: Human

Product Description

CD73 (NT5E, ecto-5'-nucleotidase, E5NT, NTE) is a glycosyl phosphatidylinositol (GPI)-anchored purine salvage enzyme expressed on the surface of human T and B lymphocytes. CD73 serves as a costimulatory molecule in activating T cells. The enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl phosphatidyl inositol linkage to the external face of the plasma membrane. CD73 can be used as a marker of lymphocyte differentiation. CD73 deficiency occurs in a variety of immunodeficiency diseases. Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from CD73 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate. This antibody is specific for the CD73 (NT5E, ecto-5'-nucleotidase, E5NT, NTE) protein. It immunoprecipitates the ~69 kDa target protein.

Product Specifications

Immunogen: Highly purified human placental CD73 protein
Apparent MW: ~69 kDa
Clone/PAD: 7G2
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Flow Cytometry	Human	Lymphocytes	1–2 µg/mL
Immunohistochemistry (frozen)	Human	Tonsil, kidney, and liver tissues	1–5 µg/mL
Immunoprecipitation	Human	U266 cell lysates, lymphocytes	10 µg/test

Storage and Handling

Store at 2 to 8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS), pH 7.4, containing 0.1% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.lifetechnologies.com/support.








Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.lifetechnologies.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

For research use only. Not for use in diagnostic procedures.

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Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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