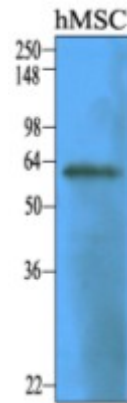


Monoclonal Antibody to CD73 (27-252) - Purified

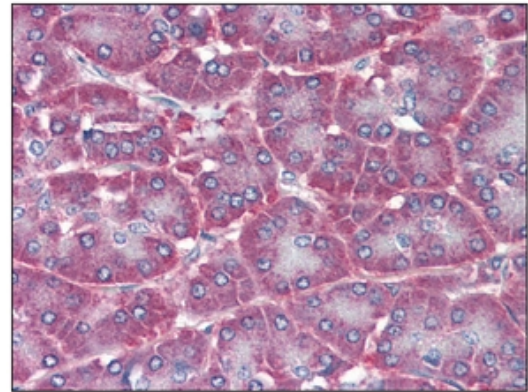
Alternate names:	5'-nucleotidase, NT5, NT5E, NTE
Catalog No.:	AM03116PU-N
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
Background:	CD73 (Ecto-5'-nucleotidase, 5'-NT) is a membrane-bound glycoprotein that functions to hydrolyze extracellular nucleoside monophosphates into bioactive nucleoside intermediates. This enables the uptake of adenosine, inosine, and guanosine into the cell and their subsequent reconversion into ATP and GTP in the purine salvage pathway. The expression of CD73 on neuronal cells has been described during developmental processes and, on lymphocytes, CD73 serves as a maturation marker, being absent from the surface of both immature B and T cells.
Uniprot ID:	P21589
NCBI:	9606
Host / Isotype:	Mouse / IgG2b
Clone:	2B6
Immunogen:	Recombinant Human CD73 (aa 27-252) purified from <i>E. coli</i>
Format:	State: Liquid purified Ig fraction Purification: Protein-G affinity chromatography Buffer System: PBS, pH 7.4 with 0.09% Sodium Azide as preservative
Applications:	ELISA. Western blot: 1/1,000-1/2,000. Immunohistochemistry on Paraffin Sections: 10 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for NT5E/CD73.
Species Reactivity:	Tested: Human.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Sern P.C, et al., (2006) Purinergic Signal 2(2):351-360. 2. Linda F.T, et al., (2004) J Exp Med 200(11):1395-1405. 3. Laura A, et al., (1997) J Cell Biol 136(2):421-431.

Pictures:

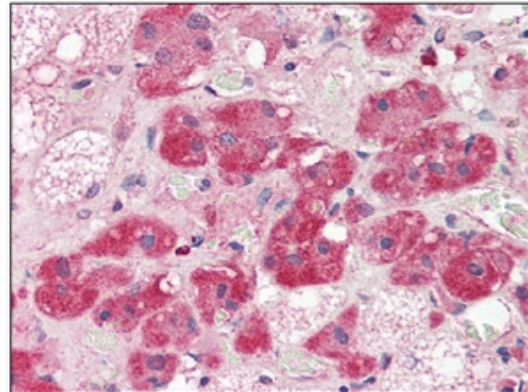
Western blot analysis: Cell lysates of human mesenchymal stem cell (30µg) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human CD73 antibody (1/1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunohistochemistry: AM03116PU-N CD73 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Pancreas at 10 µg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry: AM03116PU-N CD73 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Adrenal at 10 µg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com