

Product datasheet for **AM03116PU-S**

CD73 (NT5E) (27-252) Mouse Monoclonal Antibody [Clone ID: AT89E9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT89E9
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA. Flow Cytometry. Western blot: 1/1,000-1/2,000. Immunofluorescence/Immunocytochemistry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant Human CD73 (aa 27-252) purified from <i>E. coli</i>
Specificity:	This antibody is specific for Human NT5E/CD73. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	5'-nucleotidase ecto
Database Link:	Entrez Gene 4907 Human P21589



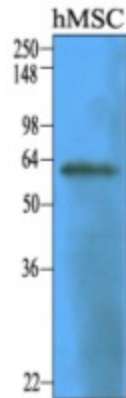
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Background:

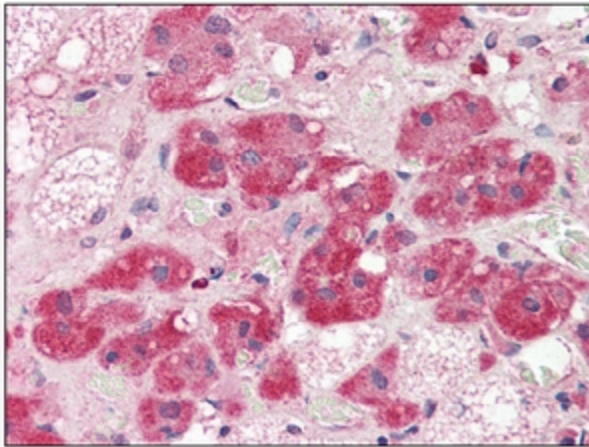
CD73 (Ecto-5'-nucleotidase, 5'-NT) is a membrane-bound glycoprotein that functions to hydrolyze extracellular nucleoside monophosphates into bioactive nucleoside intermediates. This enables the uptake of adenosine, inosine, and guanosine into the cell and their subsequent reconversion into ATP and GTP 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.

Synonyms:

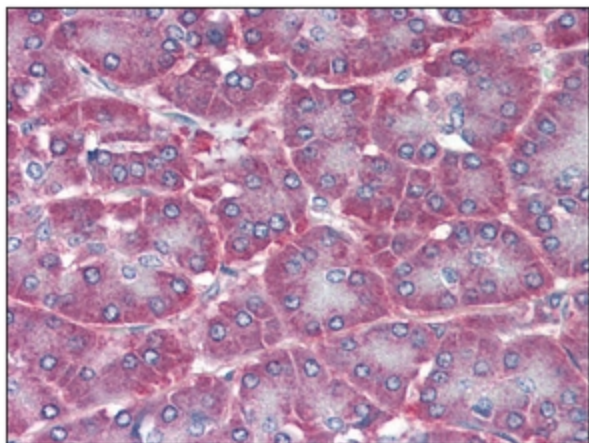
NT5, NTE, NT5E

Product images:

Western blot analysis: Cell lysates of human mesenchymal stem cell (30ug) 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: -N CD73 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Adrenal at 10 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



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