

# CD73 Monoclonal Antibody (1D7)

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1D7
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of NT5E expressed in E. Coli.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.03% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10981671

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-
Miscellaneous PubMed (Misc)	-	1 Publication

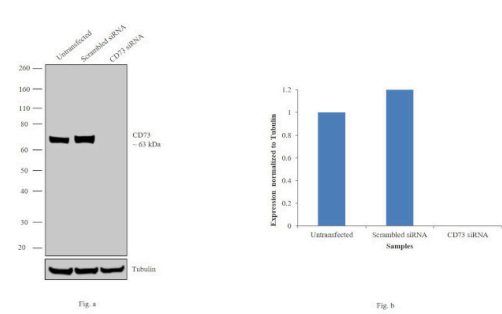
## Product Specific Information

MA5-15537 targets NT5E in IHC applications and shows reactivity with Human samples.

The MA5-15537 immunogen is purified recombinant fragment of NT5E expressed in E. Coli.

MA5-15537 detects NT5E which has a predicted molecular weight of approximately 70kDa.

Product Images For CD73 Monoclonal Antibody (1D7)

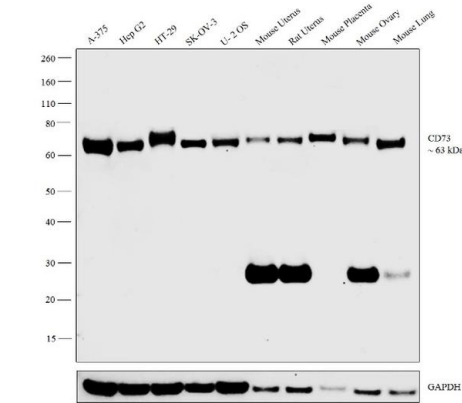


CD73 Antibody (MA5-15537)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A375 cells were transfected with CD73 siRNA and reduction of signal was observed in Western Blot using CD73 Monoclonal Antibody (Product # MA5-15537). {KD}

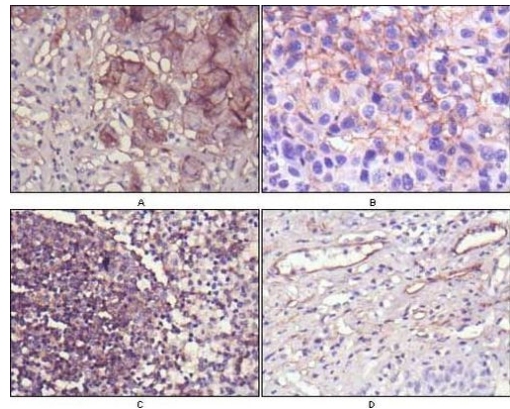
CD73 Antibody (MA5-15537) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of A-375 (Lane 1), Hep G2 (Lane 2), HT-29 (Lane 3), SK-OV-3 (Lane 4), U-2 OS (Lane 5), tissue extracts of Mouse Uterus (Lane 6), Rat Uterus (Lane 7), Mouse Placenta (Lane 8), Mouse Ovary (Lane 9) and Mouse Lung (Lane 10). The blot was probed with CD73 Monoclonal Antibody (Product # MA5-15537, 1: 500 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/ml, 1:4000 dilution). A band at 63 kDa corresponding to CD73 was observed across the cell lines and tissues tested.



CD73 Antibody (MA5-15537) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human lung cancer (A), cholangiocarcinoma (B), lymph node (C) and esophagus (D) tissues using CD73 /NT5E monoclonal antibody (Product # MA5-15537) followed with DAB staining.



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Immunohistochemistry (1)

<b>Biomolecules</b>	<b>Year</b> 2023
<b>Decellularized Matrix Induced Spontaneous Odontogenic and Osteogenic Differentiation in Periodontal Cells.</b>	<b>Species</b> Human
<p>"MA5-15537 was used in Immunohistochemistry to study the possibilities of osteogenic and odontogenic differentiation of periodontal progenitor and stem cells (SCs) of the periosteum and periodontal ligament, in decellularized tooth matrix (dTM) and periodontal ligament (dPDL), in 2D and 3D culture."</p> <p>Authors: Ivanov AA,Danilova TI,Kuznetsova AV,Popova OP,Yanushevich OO</p>	

Miscellaneous PubMed (1)

<b>Frontiers in pharmacology</b>	<b>Year</b> 2020
<b>Resolvin D1 Modulates the Intracellular VEGF-Related miRNAs of Retinal Photoreceptors Challenged With High Glucose.</b>	<b>Species</b> Mouse
<p>"MA5-15537 was used in Sample Preparation to assess EGF and anti-angiogenic miR-20a-3p, miR-20a-5p, miR-106a-5p, and miR-20b expression either in photoreceptors exposed to HG or in exosomes released by diabetic retinopathy in vitro model to study Resolvin D1 (50 nM) effects on neovascularization."</p> <p>Authors: Maisto R,Trotta MC,Petrillo F,Izzo S,Cuomo G,Alfano R,Hermenean A,Barcia JM,Galdiero M,Platania CBM, Bucolo C,D'Amico M</p>	

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