CD73 (Immuno-Oncology Target) Antibody

Mouse Monoclonal Antibody [Clone NT5E/2503]

Catalog No	Format	Size
4907-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4907-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4907-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

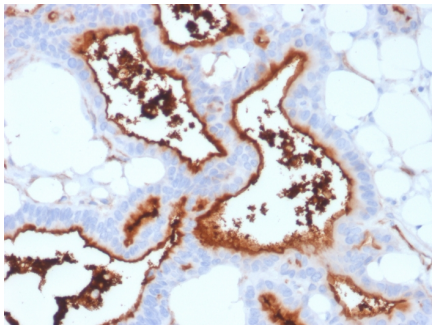
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

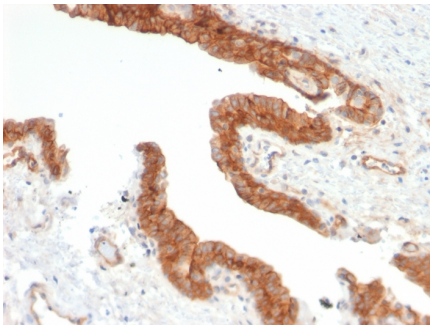
Clone	NT5E/2503
Gene Name	NT5E
Immunogen	Recombinant full length human NT5E protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	71kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Prostate or Lung Carcinoma., Tonsil, Human Liver, Human Skin, Human Spleen

**Optimal dilution for a specific application should be determined.*

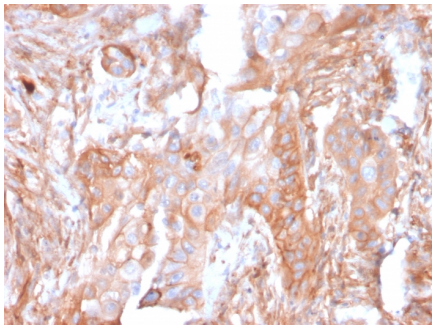
Product Images for CD73 (Immuno-Oncology Target) Antibody



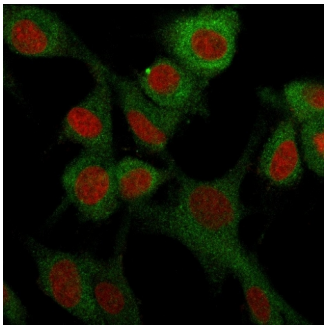
Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with CD73 Mouse Monoclonal Antibody (NT5E/2503).



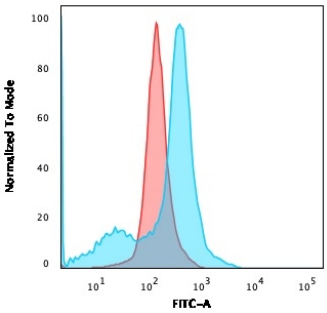
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CD73 Mouse Monoclonal Antibody (NT5E/2503).



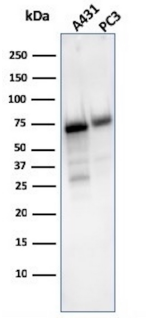
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD73 Mouse Monoclonal Antibody (NT5E/2503).



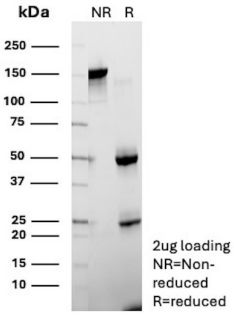
Immunofluorescence staining of U87MG cells using CD73 Mouse Monoclonal Antibody (NT5E/2503) followed by goat anti-Mouse IgG conjugated to CF488 (green). Membrane stained with Phalloidin (Red).



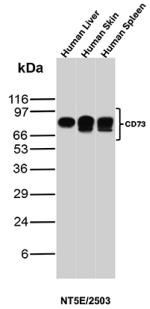
Flow Cytometric Analysis of U87MG cells using CD73 Mouse Monoclonal Antibody (NT5E/2503) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



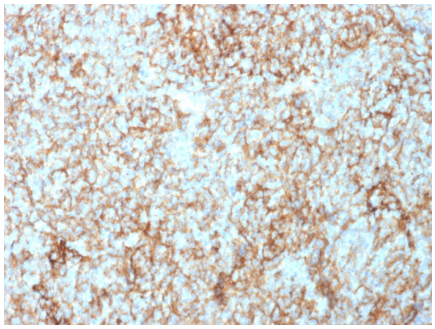
Western blot analysis of A-431 and PC3 cell lysate using CD73 Mouse Monoclonal Antibody (NT5E/2503).



SDS-PAGE Analysis of Purified CD74 Mouse Monoclonal Antibody (NT5E/2503). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Liver, Human Skin, and Human Spleen tissue lysates using CD73 Mouse Monoclonal Antibody (NT5E/2503).



Formalin-fixed, paraffin-embedded human Tonsil stained with CD73 Mouse Monoclonal Antibody (NT5E/2503).

Specificity & Comments

CD73 (also designated ecto-5'-nucleotidase, E5NT, NT, NT5, NTE, eN and eNT) is a glycosyl-phosphatidylinositol (GPI)-anchored adhesion protein that catalyzes the dephosphorylation of extracellular purine and pyrimidine nucleotides to their corresponding bioactive nucleosides. CD73 is a dimer of two identical subunits that depends on GPI to link with the external face of the plasma membrane. Similar to other GPI-anchored proteins, CD73 mediates co-stimulatory signals in T cell activation. CD73 has few structural variants, yet elicits diverse biological function through differential regulation in endothelial cells (EC), subpopulations of B and T cells, germinal center follicular dendritic cells and on thymic medullary reticular fibroblasts. For example, IgG mediated neutralization of CD73 interferes with lymphocyte adhesion to EC, and blocks aggregation of germinal center B cells and follicular dendritic cells. Furthermore, IgG-mediated targeting of lymphocyte CD73, but not of endothelial cell CD73, causes shedding of CD73 and tyrosine phosphorylation of proteins.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

B Cell Markers, Immune checkpoint, Infectious Disease, Neuroscience

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.