



Rabbit Anti-Human NT5E monoclonal antibody, clone KN22-51 (DCABH-1577)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	CD73
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN22-51
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC
Cellular Localization	Cell membrane.
Positive Control	A431, human tonsil tissue, human uterus tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

BACKGROUND

Introduction

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.

Keywords

5' NT;5' nucleotidase (CD73);5' nucleotidase precursor;5' nucleotidase, ecto;5' nucleotidase, ecto (CD73);5'-NT;5'-nucleotidase;5NTD_HUMAN;CD73;CD73 antigen;E5NT;Ecto 5' nucleotidase;Ecto-5'-nucleotidase;eN;eNT;NT;NT5;NT5E;NTE;Purine 5 Prime Nucleotidase antibody

GENE INFORMATION

Entrez Gene ID [4907](#)

UniProt ID [P21589](#)
