

CD73 Conjugated Antibody

Catalog No: #C49454



Package Size: #C49454-AF350 100ul #C49454-AF405 100ul #C49454-AF488 100ul
 #C49454-AF555 100ul #C49454-AF594 100ul #C49454-AF647 100ul
 #C49454-AF680 100ul #C49454-AF750 100ul #C49454-Biotin 100ul

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Description

Product Name	CD73 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	5' NT antibody 5' nucleotidase (CD73) antibody 5' nucleotidase precursor antibody 5' nucleotidase, ecto antibody 5' nucleotidase, ecto (CD73) antibody 5'-NT antibody 5'-nucleotidase antibody 5NTD_HUMAN antibody CD73 antibody CD73 antigen antibody E5NT antibody Ecto 5' nucleotidase antibody Ecto-5'-nucleotidase antibody eN antibody eNT antibody NT antibody NT5 antibody NT5E antibody NTE antibody Purine 5 Prime Nucleotidase antibody
Accession No.	Swiss-Prot#:P21589
Uniprot	P21589
GeneID	4907;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	70 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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.

Note: This product is for in vitro research use only