CD39 Conjugated Antibody

Catalog No: #C49579

Package Size: #C49579-AF350 100ul #C49579-AF405 100ul #C49579-AF488 100ul #C49579-AF555 100ul #C49579-AF594 100ul #C49579-AF647 100ul #C49579-AF680 100ul #C49579-AF750 100ul #C49579-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	CD39 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ATPDase antibody CD 39 antibody CD39 antibody CD39 antigen antibody DKFZp686D194 antibody DKFZp686I093 antibody Ecto apyrase antibody Ecto ATP diphosphohydrolase antibody Ecto-apyrase antibody Ecto-ATP diphosphohydrolase 1 antibody Ecto-ATPase 1 antibody Ecto-ATPDase 1 antibody Ectonucleoside triphosphate diphosphohydrolase 1 antibody ENTP1_HUMAN antibody ENTPD 1 antibody ENTPD1 antibody FLJ40921 antibody FLJ40959 antibody Lymphoid cell activation antigen antibody NTPDase 1 antibody NTPDase1 antibody SPG64 antibody
Accession No.	Swiss-Prot#:P49961
Uniprot	P49961
GeneID	953;
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

CD39, also known as ectonucleoside triphosphate diphosphohydrolase 1 (ENP1), is an integral membrane glycoprotein that acts as an extracellular nucleotide-hydrolyzing enzyme. CD39 inhibits ADP-induced platelet aggregation by hydrolyzing ADP to AMP and ultimately generating adenosine. Intracellular CD39 undergoes glycosylation at 6 N-glycosylation sites and translocates to the membrane in order to be an active enzyme. Alternative splicing gives rise to three CD39 isoforms, vascular, placenta I and placenta II. The placenta I isoform differs at the amino terminus whereas the placenta II isoform is missing amino acids 300-510 at the C-terminus. CD39 is expressed in vascular tissues including placenta, lung, skeletal muscle and kidney, as well as endothelium, smooth muscle, cardiac cells, lymphocytes (such as activated B cells) activated NK cells, macrophages, dendridic cells and platelets. CD39 may be used as an anti-thrombic agent for pre-treating patients at risk for coronary artery occlusion and thrombic stroke.

Note: This product is for in vitro research use only