

anti-Rat CD39 Antibody | anti-CD39 antibody

CD39, Control Peptide

CATALOG # AAA76549	REACTIVITY Rat	APPLICATIONS Immunohistochemistry
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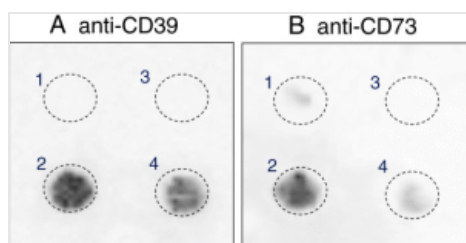
PRODUCT SYNONYMS

CD39; Control Peptide; anti-CD39 antibody

PRODUCT SPECIFICATIONS

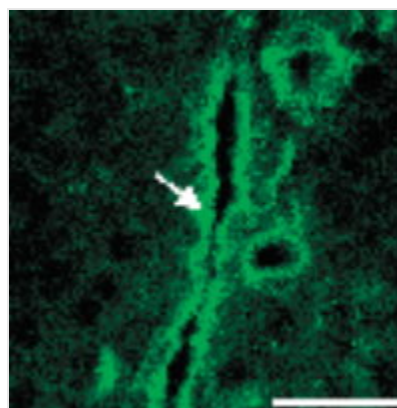
Reactivity	Rat
Form/Format	Whole serum - Liquid
Sequence Length	513
Applicable Applications for anti-CD39 antibody	IHC (Immunohistochemistry)
Type Info	Guinea Pig IgG
Immunogen	DAGSSHTNLYIY

IMAGES



Application Data

Images: Detection of immunoreactive CD39 and CD73 in the effluent of ischemia reperfusion. The effluent samples (300 μl) from pre-ischemia (3) and ischemia-reperfusion hearts (4) were applied to nitrocellulose membrane, and subjected to dot blot analysis with anti-CD39 antibody (A) and anti-CD73 antibody (B). As the negative and positive control, membrane extract (30 μg protein in 300 μl) from HEK293 cells transfected with control pcDNA3vector (1 in A and B) or CD39- (2 in A) and CD73-expressing plasmid (2 in B) were used. Results shown are representative of three separate sets of experiments. Takahashi-Sato et al. BMC Cardiovascular Disorders 2013 13:53 doi:10.1186/1471-2261-13-5



Application Data

Image: CD39 distribution in rat pancreatic ducts. J Physiol (2003), 551.3, pp. 881-892
Copyright 2003 The Physiological Society. DOI: 10.1113/jphysiol.2003.049411

ADDITIONAL INFORMATION

Related Product Information for anti-CD39 antibody	Human CD39 is found on most mature B cells, activated NK cells and activated T cells. CD39 is also weakly expressed on granulocytes. CD39 has homology to the Nmyc family of proteins and was recently cloned. CD39 can hydrolyze both nucleoside triphosphates and diphosphates. CD39 is the dominant ecto nucleotidase of vascular and placental trophoblastic tissues and appears to modulate the functional expression of type 2 purinergic (P2) G protein coupled receptors (GPCRs). CD39 transgenic mice exhibit impaired platelet aggregation, prolonged bleeding times, and resistance to systemic thromboembolism. There is a correlation between ATP hydrolysis and triglycerides in patients with chronic heart disease, suggesting a relationship between ATP diphosphohydrolase and thrombogenesis CD39 could also play a in type 2 Diabetes.
Product Categories/Family for anti-CD39 antibody	Antibodies; Stem Cell Research Antibodies; CD39

NCBI AND UNIPROT INFORMATION

NCBI GI #	2240205
NCBI GeneID	282223
Molecular Weight	58,114 Da
NCBI Official Full Name	CD39
NCBI Official Symbol	ENTPD1
NCBI Protein Information	ectonucleoside triphosphate diphosphohydrolase 1
UniProt Protein Name	Ectonucleoside triphosphate diphosphohydrolase 1
UniProt Gene Name	ENTPD1
UniProt Synonym Gene Names	CD39; NTPDase 1; Ecto-ATPDase 1; Ecto-ATPase 1
UniProt Entry Name	ENTP1_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-antibody/cd39/76549>