

CD39 (PN0464) Nb-FC recombinant antibody

Catalog No :	YA0348
Reactivity :	Human
Applications :	ELISA
Target :	CD39
Fields :	>>Purine metabolism;>>Pyrimidine metabolism;>>Metabolic pathways;>>Nucleotide metabolism;>>Epstein-Barr virus infection
Gene Name :	ENTPD1
Protein Name :	Ectonucleoside triphosphate diphosphohydrolase 1
Human Gene Id :	953
Human Swiss Prot No :	P49961
Immunogen :	Purified recombinant Human CD39
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD39 protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Cell Pathway :	Purine metabolism;Pyrimidine metabolism;

Background : The protein encoded by this gene is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. Inhibition of this protein's activity may confer anticancer benefits. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015],

Function : catalytic activity:ATP + 2 H(2)O = AMP + 2 phosphate.,cofactor:Calcium.,cofactor:Magnesium.,function:In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation. Hydrolyzes ATP and ADP equally well.,PTM:Palmitoylated in the N-terminal part.,PTM:The N-terminus is blocked.,similarity:Belongs to the GDA1/CD39 NTPase family.,subunit:Homodimer; disulfide-linked.,tissue specificity:Expressed primarily on activated lymphoid cells. Also expressed in endothelial tissues. The vascular isoform and the placental isoform II are present in both placenta and umbilical vein, whereas placental isoform I is present in placenta only.,

Subcellular Location : Membrane ; Multi-pass membrane protein .

Expression : Expressed primarily on activated lymphoid cells. Also expressed in endothelial tissues. Isoform 1 and isoform 3 are present in both placenta and umbilical vein, whereas isoform 2 is present in placenta only.

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