

## CD39 (PN0464) Nb-FC recombinant antibody

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

## Products Images