

anti- CD39 antibody

Product Information

Catalog No.:	FNab01474
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20°C for 24 months (Avoid repeated freeze / thaw cycles.)

Background

ENTPD1(Ectonucleoside triphosphate diphosphohydrolase 1) is also named as CD39, NTPDase 1, Ecto-ATPDase 1 and belongs to the GDA1/CD39 NTPase family. In the nervous system, it can hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. It is a noncovalent tetrameric protein and that detergent inhibition of enzymatic activity is caused by dissociation of ectoapyrase tetramers into monomers(PMID: 9733785). And it is a 70-to 100-kDa protein that is heavily N-glycosylated(PMID:7930580). It has 3 isoforms produced by alternative splicing. CD39 preferentially occurred as a dimer that could be dissociated into monomeric forms.(PMID: 12694193). The soluble isoform of CD39(38-478 amino acid) locates to the extracellular part and FNab01474 recognizes both the 3 isoforms and soluble form of CD39(38-478aa) molecule.

Immunogen information

Immunogen:	ectonucleoside triphosphate diphosphohydrolase 1
Synonyms:	ATPDase, CD39, DKFZp686D194, DKFZp686I093, Ecto apyrase, Ecto ATP diphosphohydrolase 1, Ecto ATPase 1, Ecto ATPDase 1, ENTPD1, FLJ40921, FLJ40959, NTPDase 1
Observed MW:	75-95 kDa
Uniprot ID :	P49961

Wuhan Fine Biotech Co., Ltd.

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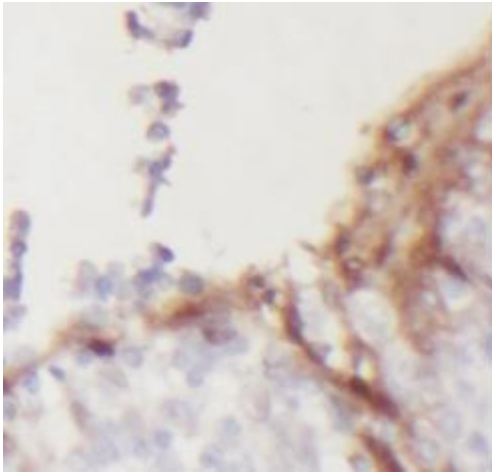
Application

Reactivity: Human, Mouse, Rat

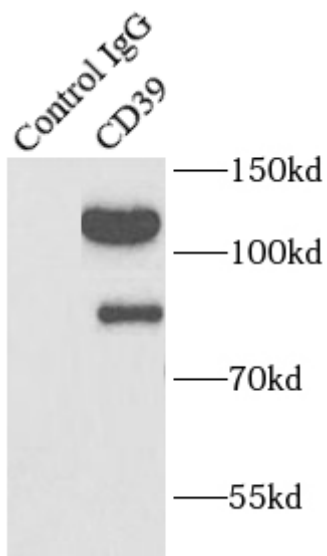
Tested Application: ELISA, WB, IHC, FC, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human tonsillitis using FNab01474(ENTPD1 antibody) at dilution of 1:50



IP Result of anti-ENTPD1 (IP:FNab01474, 4ug; Detection:FNab01474 1:800) with mouse liver tissue lysate 4000ug.

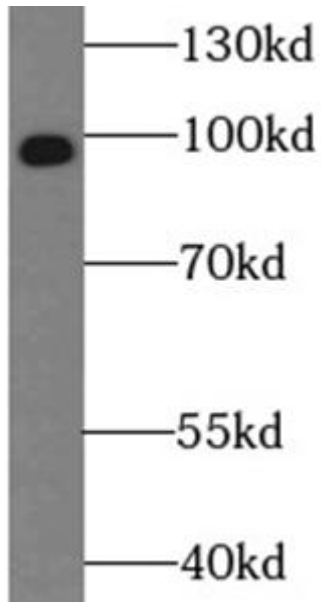
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Jurkat cells were subjected to SDS PAGE followed by western blot with FNab01474(ENTPD1 antibody) at dilution of 1:500