

Nur für Forschungszwecke

# CD99 Polyklonaler Antikörper

Katalog-Nr.: 23079-1-AP

3 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 23079-1-AP	<b>GenBank-Zugangsnummer:</b> BC021620	<b>Reinigungsmethode:</b> Antigen-affinitätsgereinigt
<b>Größe:</b> 150ul, Konzentration: 600 µg/ml von Nanodrop und 267 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 4267	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> CD99 molecule	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 19 kDa, 16 kDa, 17 kDa	
<b>Immunogen Katalognummer:</b> AG19461	<b>Beobachtete Masse:</b> 28 kDa, 32 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : Jurkat-Zellen, THP-1-Zellen, U-937-Zellen
<b>In Publikationen genannte Anwendungen:</b> IF, IHC	<b>IHC :</b> humanes Pankreasgewebe, humanes Hodengewebe
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</b> Hausschwein, Human	

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

CD99, also known as MIC2, is a heavily O-glycosylated transmembrane protein involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. CD99 is broadly distributed on many cell types, with particularly strong expression on human cortical thymocytes, Ewing's sarcoma cells and peripheral primitive neuroectodermal tumors (PMID: 9794396; 16984917). In normal cells, CD99 has been functionally implicated in cell adhesion, migration, apoptosis, differentiation, activation, and proliferation of lymphocytes and monocyte extravasation and transport of several transmembrane proteins (PMID: 16984917). CD99 displays two surface isoforms generated by alternative splicing: a long 32 kDa and a short 28 kDa form (PMID: 12368226).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jorge Hernando-Cubero	27698882	Oncol Lett	IHC
Lingkai Zhang	34872612	J Anim Sci Biotechnol	IHC, IF
Binbin Chen	35428764	Cell Death Dis	IHC

## Lagerung

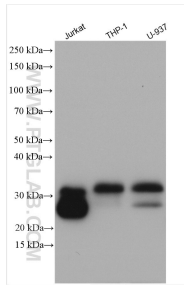
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

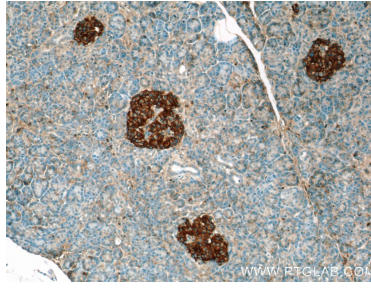
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

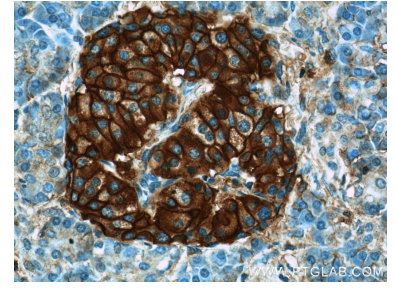
## Ausgewählte Validierungsdaten



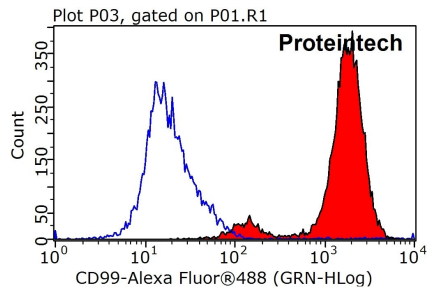
Various lysates were subjected to SDS PAGE followed by western blot with 23079-1-AP (CD99 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas slide using 23079-1-AP (CD99 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas slide using 23079-1-AP (CD99 Antibody) at dilution of 1:50 (under 40x lens).



1X10<sup>6</sup> Jurkat cells were stained with 0.5ug CD99 antibody (23079-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.