

## CD59 Polyclonal Antibody

Catalog number: 10742-1-AP

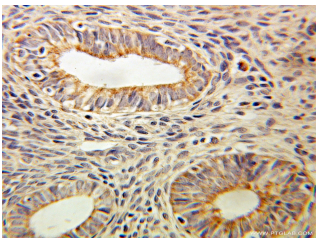
Size: 20 µg/150 µl

Source: Rabbit

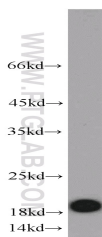
Isotype: IgG

Synonyms:

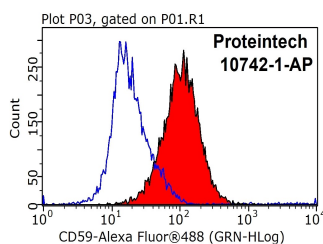
CD59; 16.3A5, 1F5, 1F5 antigen, CD59, CD59 glycoprotein, EJ16, EJ30, EL32, FLJ38134, FLJ92039, G344, HRF 20, HRF20, MAC inhibitory protein, MAC IP, MACIF, MEM43, MEM43 antigen, MIC11, MIN1, MIN2, MIN3, MIRL, MSK21, p18 20, Protectin



Immunohistochemical of paraffin-embedded human ovary tumor using 10742-1-AP(CD59 antibody) at dilution of 1:100 (under 10x lens)



BxPC-3 cells were subjected to SDS PAGE followed by western blot with 10742-1-AP(CD59 antibody) at dilution of 1:600



1X10<sup>6</sup> Jurkat cells were stained with 0.5µg CD59 antibody (10742-1-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.

### Background

CD59, also named as MIC11, MIN1, MIN2, MIN3, MSK21, MIRL, MACIF, HRF20 and 1F5 antigen, is a cell surface molecule glycoprotein with MW 18-25kd. It acts as a determinant of proximal–distal cell identity. CD59 acts by binding to the C8 and/or C9 complements of the assembling membrane attack complex (MAC), thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. It is involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

### Applications

Tested applications:	ELISA, WB, IHC, FC, IF
Cited applications:	WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated CD59 MW:	19 kDa
Observed CD59 MW:	18-20 kDa
Positive WB detected in	BxPC-3 cells, human brain tissue
Positive IHC detected in	Human ovary tumor tissue, human placenta tissue
Positive IF detected in	BxPC-3 cells
Positive FC detected in	Jurkat cells
Recommended dilution:	WB: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:10-1:100
	FC: N/A

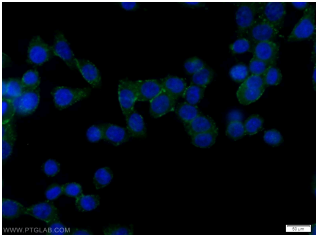
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1173
GenBank accession number:	BC001506
Gene ID (NCBI):	966
Full name:	CD59 molecule, complement regulatory protein

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**Immunofluorescent analysis  
of BxP C-3 cells using 10742-1-  
AP( CD59 Antibody) at  
dilution of 1:25 and Alexa  
Fluor 488-conjugated  
AffiniPure Goat Anti-Rabbit  
IgG(H+L)**