

## Anti-CD59 antibody

<b>Cat. No.</b>	ml161539
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-CD59 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human CD59
<b>Reactivity</b>	Human
<b>Content</b>	0.5 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	CD59
<b>Full name</b>	CD59 molecule, complement regulatory protein
<b>Synonyms</b>	1F5; EJ16; EJ30; EL32; G344; MIN1; MIN2; MIN3; MIRL; HRF20; MACIF; MEM43; MIC11; MSK21; 16.3A5; HRF-20; MAC-IP; p18-20
<b>Swissprot</b>	P13987

### Target Background

This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction.

订购热线: 4008-898-798

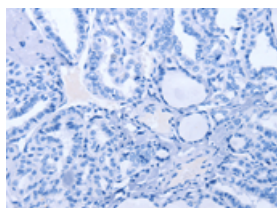
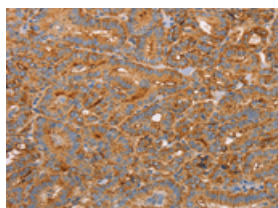
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 100-300

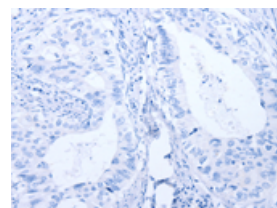
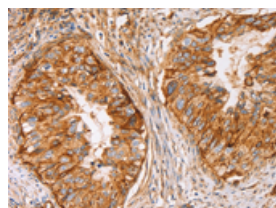


The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml161539(CD59 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 100-300



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml161539(CD59 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 14 kDa

Positive control: Huvec, hela and SKOV3 cells

Recommended dilution: 500-2000

Gel: 10%SDS-PAGE

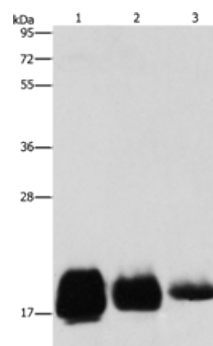
Lysate: 40  $\mu$ g

Lane 1-3: Huvec cells, hela cells, SKOV3 cells

Primary antibody: ml161539(CD59 Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 30 seconds



### ELISA

Recommended dilution: 2000-10000

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