

**CD59 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16747****Specification**

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**CD59 Antibody (N-Terminus) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P13987</a>
Other Accession	<a href="#">966</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	14177

**CD59 Antibody (N-Terminus) - Additional Information****Gene ID** 966**Other Names**

CD59, 16.3A5, 1F5, 1F5 antigen, CD59 glycoprotein, EL32, EJ16, G344, HRF-20, MAC-IP, MACIF, Ly-6-like protein, MEM43, MIRC, MEM43 antigen, MIN2, MIN3, MSK21, p18-20, Protectin, MAC-inhibitory protein, MIC11, T cell-activating protein, CD59 antigen, E ...

**Target/Specificity**

Human CD59

**Reconstitution & Storage**

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

CD59 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**CD59 Antibody (N-Terminus) - Protein Information****Name** CD59**Synonyms** MIC11, MIN1, MIN2, MIN3, MSK21**Function**

Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

**Cellular Location**

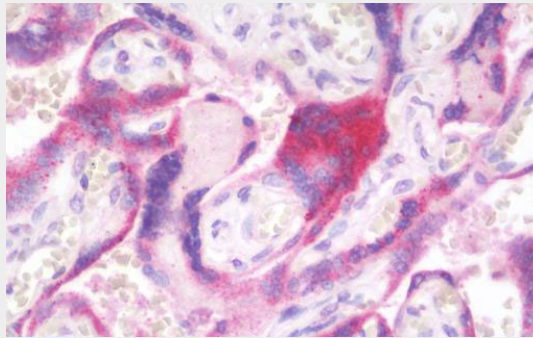
Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Soluble form found in a number of tissues

### CD59 Antibody (N-Terminus) - Protocols

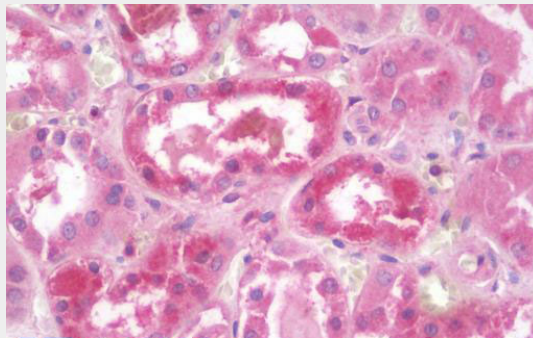
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

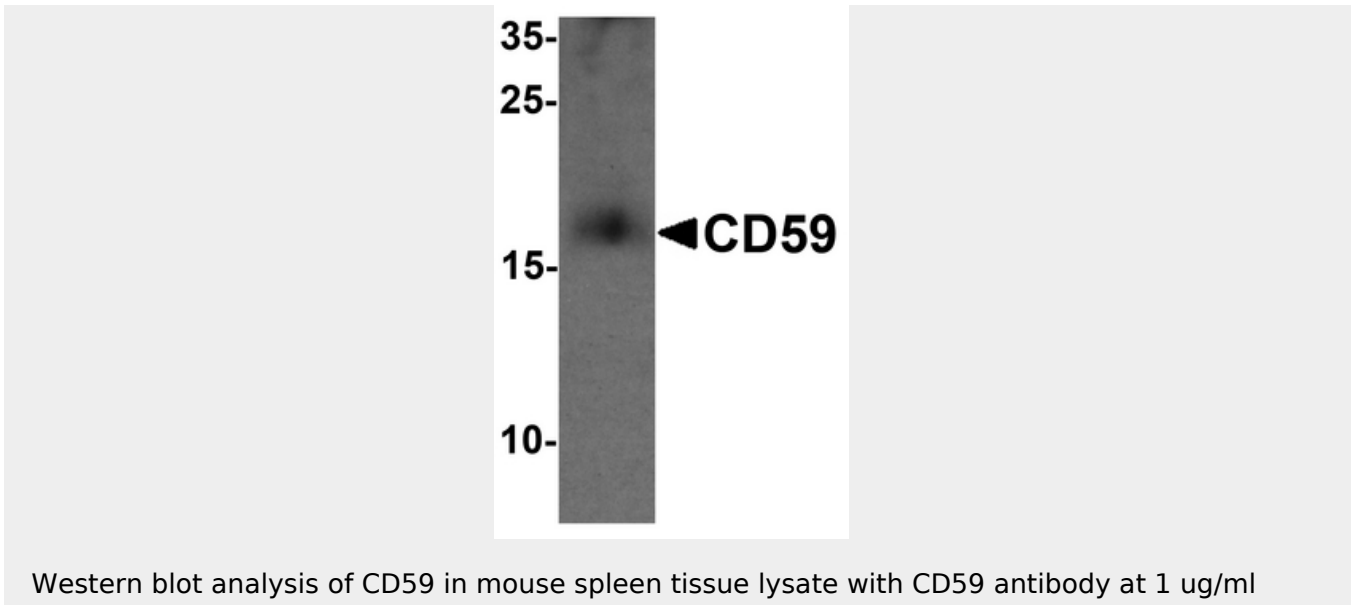
### CD59 Antibody (N-Terminus) - Images



Anti-CD59 antibody IHC staining of human placenta.



Anti-CD59 antibody IHC staining of human kidney.



#### **CD59 Antibody (N-Terminus) - Background**

Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

#### **CD59 Antibody (N-Terminus) - References**

- Davies A., et al. *J. Exp. Med.* 170:637-654(1989).
- Philbrick W.M., et al. *Eur. J. Immunol.* 20:87-92(1990).
- Okada H., et al. *Biochem. Biophys. Res. Commun.* 162:1553-1559(1989).
- Sugita Y., et al. *J. Biochem.* 106:555-557(1989).
- Sawada R., et al. *DNA Cell Biol.* 9:213-220(1990).