

CD59 Antibody (aa29-102)
Rabbit Polyclonal Antibody
Catalog # ALS16621**Specification****CD59 Antibody (aa29-102) - Product Information**

Application	IHC-P, E
Primary Accession	P13987
Other Accession	966
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14177
Dilution	IHC-P~~N/A E~~N/A

CD59 Antibody (aa29-102) - 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, MIRL, 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, pH 7.4, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

CD59 Antibody (aa29-102) is for research use only and not for use in diagnostic or therapeutic procedures.

CD59 Antibody (aa29-102) - Protein Information**Name** CD59 {ECO:0000303|PubMed:2475570, ECO:0000312|HGNC:HGNC:1689}**Function**

Potent inhibitor of the complement membrane attack complex (MAC) action, which protects human cells from damage during complement activation (PubMed:11882685, PubMed:1698710, PubMed:2475111, PubMed:2475570, PubMed:2606909, PubMed:9053451). Acts by binding to the beta-haipins of C8 (C8A and C8B) components of the assembling MAC, forming an intermolecular beta-sheet that prevents incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore (PubMed:11882685, PubMed:1698710, PubMed:36797260).

Cellular Location

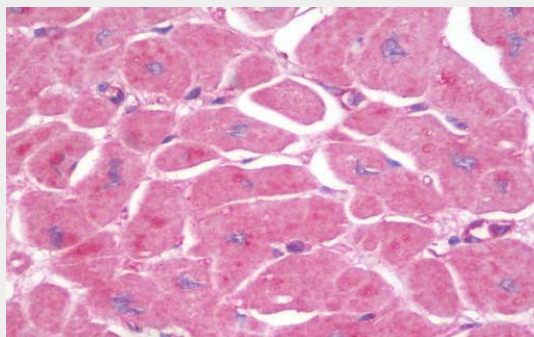
Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Localizes to the cell surface (PubMed:36797260). Soluble form found in a number of tissues (PubMed:8670172).

CD59 Antibody (aa29-102) - 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 (aa29-102) - Images



Anti-CD59 antibody IHC staining of human heart.

CD59 Antibody (aa29-102) - 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 (aa29-102) - 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).