

CD59 Antibody

Rabbit mAb Catalog # AP91166

Specification

CD59 Antibody - Product Information

ApplicationWB, FC, ICC, IPPrimary AccessionP13987ClonalityMonoclonalOther NamesCD59 glycoprotein; HRF20; MAC-IP; MEM43 antigen; MACIF; MIRL; Protectin; MIC11; MIN1; p18 20;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	14177 Da

CD59 Antibody - Additional Information

Dilution	WB~~1:1000 FC~~1:10~50 ICC~~N/A IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CD59
Description	CD59 is a GPI-anchored glycoprotein that is expressed on leukocytes, vascular endothelial cells, various epithelial cells and placenta. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

CD59 Antibody - 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:2475570, PubMed:2475570, PubMed:2475570, PubMed:2606909, PubMed:<a



href="http://www.uniprot.org/citations/9053451" target="_blank">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

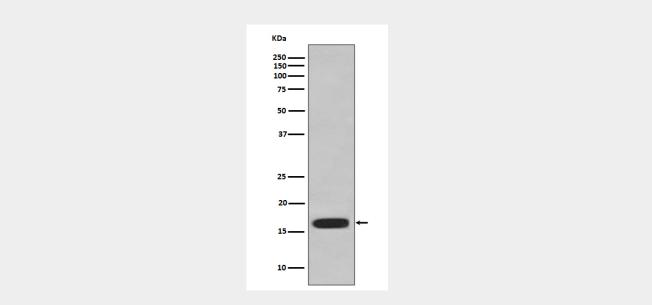
Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Localizes to the cell surface (PubMed:36797260). Soluble form found in a number of tissues (PubMed:8670172).

CD59 Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

CD59 Antibody - Images



Western blot analysis of CD59 expression in HUVEC cell lysate.