

CD59 Antibody
Rabbit mAb
Catalog # AP91166

Specification

CD59 Antibody - Product Information

| | |
|---|------------------------|
| Application | WB, FC, ICC, IP |
| Primary Accession | P13987 |
| Clonality | Monoclonal |
| Other Names | |
| CD59 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:2606909, PubMed:<a

<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

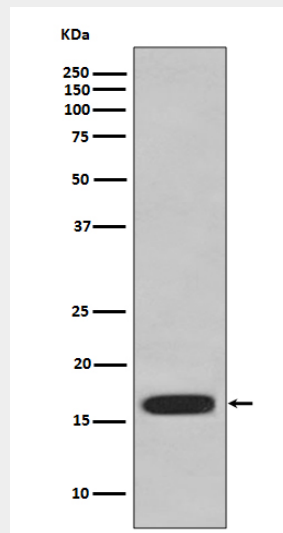
Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Localizes to the cell surface (PubMed:36797260). Soluble form found in a number of tissues (PubMed:8670172).

CD59 Antibody - Protocols

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

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

CD59 Antibody - Images



Western blot analysis of CD59 expression in HUVEC cell lysate.