



Mouse anti CD59 Monoclonal Antibody

Alternative Name(s): Protectin, H19, 1F-5Ag, HRF20, MACIF, MIRL, P-18

Order Information

- **Description:** CD59
- **Catalogue:** 606-630
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** OA19A13
- **Application:** FC
- **Cross Reactivity:** Hu

ANTIGEN PREPARATION

Recombinant protein of human CD59

BACKGROUND

CD59 is a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. CD59 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. It plays an important 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.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

0.01M Phosphate-Buffered Saline (pH7.2-7.4) with 0.01% NaN₃ + antibody stabilizer

SPECIFICITY

This antibody recognizes human CD59. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 5-10 µg/10⁶ cells
- MW (kDa): 20kDa
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

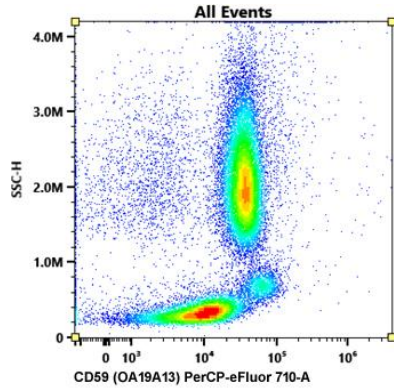
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Flow Cytometry: Human PBMC (100 ul) stained with fluorescence labeled mouse anti CD59 (Cat# 606-630) (5 ul) for 20 min @ RT

REFERENCES

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