# Anti-Human CD59 (MEM-43)













PΕ

59PE1-100T

100 test



# PRODUCT DESCRIPTION

- Clone: MEM-43;
- Isotype: IgG1;
- Tested application: flow cytometry;
- Immunogen: The anti-CD59 monoclonal antibody derives from Thymocytes and T lymphocytes;
- Species reactivity: Human;
- Storage instruction: store in the dark at 2-8 °C;
- Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaNa);
- Recommended usage: Immunostep's CD59, clone MEM-43 is a monoclonal antibody intended for the identification and enumeration of CD59 protein expressed on all hematopoietic cells using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using I test for 106 cells:
- Presentation: liquid;
- Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- Purification: Affinity chromatography;
- Other names: IF-5Aq, H19, HRF2O, MACIF, MIRL, P-18, PROTECTIN;
- Molecular weight: 18 20 kDa.

# 2. ANTIGEN DETAILS

Large description: the monoclonal antibody reacts with a PI-linked glycoprotein, a small GPIanchored protein, found in all types of leukocytes including platelets. Antigen distribution is to be found across many hemopoietic and non-hemopoietic cells. CD59 inhibits formation of membrane attack complex (MAC), thus protecting cells from complement mediated lysis Has a signaling role, as a GPI-anchored molecule, in T cell activation, CD59 is also an low-affinity ligand of human CD2 and causes T cell costimulation. It is thus the key regulator that preserves the autologous cells from terminal effector mechanism of the complement cascade. CD59 associates with C5b-8 complex and thereby counteracts appropriate formation of cytolytic pore within the plasma membrane.<sup>(I,5)</sup>

#### 3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

### ADDITIONAL INFORMATION 4.

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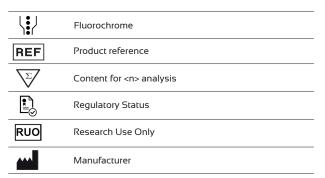
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# 5. REFERENCES

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- Kolev MV et al. Upregulating CD59: a new strategy for protection of neurons from complement-mediated degeneration. Pharmacogenomics J 10:12-9 (2010). Flow Cyt;

## 6. **EXPLANATION OF SYMBOLS**



7. MANUFACTURED BY:

IMMUNOSTEP S.L.

Address: Avda. Universidad de Coimbra, s/n Cancer Research Center (C.I.C)

Campus de Unamuno 37007 Salamanca (Spain)

Telf./fax: (+34) 923 294 827 info@immunostep.com

www.immunostep.com