

Anti-Human CD59 (VJ1/12,2)



FITC	59F-100T	100 test
PE	59PE-100T	100 test
APC	59A-100T	100 test

RUO

1. PRODUCT DESCRIPTION

- **Clone:** VJ1/12,2;
- **Isotype:** IgG2a;
- **Tested application:** flow cytometry;
- **Immunogen:** The anti-CD59 monoclonal antibody derives from human leukocytes;
- **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 (NaN₃);
- **Recommended usage:** Immunostep's CD59, clone VJ1/12,2, is a monoclonal antibody intended for the identification and enumeration of CD59 protein which is expressed on all hematopoietic cells using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 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-5Ag, HI9, HRF20, MACIF, MIRL, P-18, PROTECTIN;
- **Gene ID:** 966;
- **Molecular weight:** 18 - 20 kDa.

2. ANTIGEN DETAILS

Large description: This antibody reacts with the CD59-antigen, a PI-linked glycoprotein, 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. Appears to have some role in cell adhesion through CD2 (controversial).^[1-4]

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.

4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.

Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

Please, refer to www.immunostep.com technical support for more information.

5. REFERENCES

1. Lachmann PJ. The control of homologous lysis. Immunol Today 1991 Sep;12(9):312-5.
2. Venneker GT, Asghar SS. CD59: a molecule involved in antigen presentation as well as downregulation of membrane attack complex. Exp Clin Immunogenet 1992;9(1):33-47.
3. Davies A, Lachmann PJ. Membrane defence against complement lysis: the structure and biological properties of CD59. Immunol Res 1993;12(3):258-75.
4. Liszewski MK, Farries TC, Lublin DM, Rooney IA, Atkinson JP. Control of the complement system. Adv Immunol 1996;61:201-83.

6. EXPLANATION OF SYMBOLS

	Fluorochrome
	Product reference
	Content for <n> analysis
	Regulatory Status
	Research Use Only
	Manufacturer

7. MANUFACTURED BY: IMMUNOSTEP S.L.



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