

Anti-Human CD3d (BGRL11)



APC

REF

C3DA-100T



100 test



RUO

1. PRODUCT DESCRIPTION

Clone: BGRL11

Isotype: IgM

Tested application: flow cytometry

Immunogen: The anti-C3d monoclonal antibody derives from intact human erythrocytes coated with C3/C4.

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 anti-C3d, clone BFRL11(1, 2), is a monoclonal antibody intended for the identification of human C3d antigen, present in human complement fragment C3d 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.

2. ANTIGEN DETAILS

Large description: This antibody reacts with the C3d antigen, a fragment derived from the cleavage of complement component C3. The C3d fragment remains covalently bound to the surface of target cells or pathogens following complement activation, serving as an important marker for immune adherence and clearance. The mouse monoclonal antibody BGRL11 specifically recognizes this human complement fragment C3d. The antigen is a key physiological ligand for complement receptor 2 (CR2/CD21), facilitating the bridging of innate and adaptive immunity by enhancing B-cell activation and antibody production.

Other Names: complement C3

Gene ID: 718

UniProt ID: P01024

Molecular weight: Glycoprotein composed of two non-identical disulfide-bonded subunits of 115 kDa (α) and 75 kDa (β).

For research use only, not for diagnostic procedures.

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

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. REFERENCES

1. Dobbie D, Brazier DM, Gardner B, Holburn AM. Epitope specificities and quantitative and serologic aspects of monoclonal complement (C3c and C3d) antibodies. *Transfusion*. 1987 Nov-Dec;27(6):453-9.
2. Mushens RE, Bakacs T. Inhibition of the classical activation pathway of complement-mediated lysis by mon clonal antibodies to complement components C3c and C3d. *Transfusion*. 1992 Jun;32(5):430-4.
3. Gankema AAF, Furumaya C, Fernández-Hermira S, Hoogenboezem M, Matlung HL, van Bruggen R, Kuijpers TW. Efficient complement-mediated clearance of immunosuppressed T cells by macrophages. *Front Immunol*. 2023 May 16;14:1183180.

5. EXPLANATION OF SYMBOLS



Form

REF

Catalog reference



Contains sufficient for > test



Quantity per test



Regulatory Status

RUO

Research Use Only

[A]

Concentration



Manufacturer

6. MANUFACTURED BY:

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