

Anti- Human HLA-DR/CD3 (GRB-1/33-2A3)

Fluorochrome	Reference	Size
FITC/PE	HLADRF3PEI-50T	50 test

PRODUCT DESCRIPTION

Clone: GRB-1; 33-2A3

Isotype: Mouse IgG2a; Mouse IgG1

Tested application: flow cytometry

Immunogen: The anti-HLA-DR monoclonal antibody derives from mononuclear cell leukemia acute undifferentiated.

The anti-CD3 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 HLA-DR/CD3, is a monoclonal antibody intended for enumerating percentages of mature human activated T lymphocytes in erythrocyte-lysed whole blood (LWB). 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.

ANTIGEN DETAILS

Large description: Human lymphocytes may be divided into three major populations based on their biologic function and cell-surface antigen expression: T lymphocytes, B lymphocytes, and natural killer (NK) lymphocytes. T lymphocytes participate in antigen-specific cell-mediated immunity and regulate the secretion of immunoglobulin by B lymphocytes. T lymphocytes may also be classified based on their functional properties as helper/inducer, suppressor/cytotoxic, or activated T lymphocytes.

Activated T lymphocytes (HLA-DR + T lymphocytes) may be elevated in states of immune activation, which may be caused by infection or impending transplant rejection. The actual cause of immune activation must be verified by additional clinical and laboratory tests.

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

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.

REFERENCES

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3. Bogner J, Matuschke B, Hienrich B, Schreiber M, Nerl C, Goebel F. Expansion of activated T lymphocytes (CD3 + HLA-DR +) detectable in early stages of HIV-1 infection. *Klin Wochenschr*. 1990;68:393-396.
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