

Anti- Human Terminal- Deoxynucleotidyl Transferase (TdT) (HT-6)

Fluorochrome	Reference	Size
FITC	TDTF-50T	50 test

PRODUCT DESCRIPTION

Clone: HT-6

Isotype: Mouse IgG1, kappa

Tested application: flow cytometry

Immunogen: The anti-TdT monoclonal antibody derives from Purified Human TdT.

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 TdT, clone HT-6 is a monoclonal antibody intended for the identification of human TdT antigen 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.

ANTIGEN DETAILS

Large description: Terminal deoxynucleotidyl transferase (TdT) is involved in DNA polymerization and is localized in the nucleus of hematopoietic cells, precursor T- and a subset of precursor B-cells. Detection of nuclear expression of TdT by flow cytometry is a valuable technique in the characterization of leukemias and monitoring minimal residual leukemic cells.⁽¹⁻⁵⁾

Other names: Terminal transferase

Gene ID: 116092

Molecular weight: 58 kDa

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

1. Bollum FJ. Terminal deoxynucleotidyl transferase as a hematopoietic cell marker. *Blood*. 1979;54:1203-1215.
2. Gore SD, Kastan MB, Civin CI. Normal human bone marrow precursors that express terminal deoxynucleotidyl transferase include T-cell precursors and possible lymphoid stem cells. *Blood*. 1991;77:1681-1690.
3. Horvatinovich JM, Sparks SD, Borowitz MJ. Detection of terminal deoxynucleotidyl transferase by flow cytometry: a three color method. *Cytometry*. 1994;18:228-230.
4. Paietta E, Meenan B, Heavey C, Thomas D. Detection of terminal transferase in acute myeloid leukemia by flow cytometry. *Cytometry*. 1994;16:256-261.
5. Waldmann TA. The arrangement of immunoglobulin and T cell receptor genes in human lymphoproliferative disorders. *Adv Immunol*. 1987;40:247-321.

MANUFACTURED BY



Immunostep S.L
Avda. Universidad de Coimbra, s/n
Cancer Research Center (CIC)
Campus Miguel de Unamuno
37007 Salamanca (Spain)
Tel. (+34) 923 294 827
www.immunostep.com