



## Monoclonal Antibody to TDT ( terminal deoxy transferase)

### Technical Data Sheet

#### Reagent Category

Monoclonal primary antibody to  
TDT

#### Antibody Formats Supplied

7 ml of TDT Ready-To-Use

PRODUCT# IMI30361E (Ready-To-Use)

**SOURCE:** Cultured supernatant

**IMMUNOGEN:** purified bovine TDT

**IMMUNOGLOBULIN ISOTYPE:** IgG

**CLONE:** SEN28

**POSITIVE CONTROL TISSUE:** Thymus, bone marrow smear

#### **REACTIVITY**

This antibody recognizes and reacts with TDT, a 60 kD peptide in human lymphoblasts. TDT is present in several stages of lymphocytic cell maturation. The presence of TDT antigen is often helpful when studying leukemias and lymphomas. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This antibody is compatible with formalin fixative as well as most commonly used histological fixatives.

#### **Antibody FORMATS, DILUTIONS and INCUBATIONS**

This affinity purified monoclonal anti TDT antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

**7 ml of Ready-to-Use, Do not dilute. Incubate for 1 hour to overnight depending on the tissue employed. This antibody requires retrieval when staining formalin fixed paraffin embedded sections.**

*For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

**0.2 ml of concentrate; For 1 hour to overnight incubation, dilute 1:10-1:20, the dilution factors are mere guidelines, the working titer must be determined by the end user for the staining reagents and specimen employed. This antibody requires retrieval when staining formalin fixed paraffin embedded sections.**

*For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

THE SUGGESTED STARTING DILUTION FACTORS ARE MERE GUIDELINES ONLY. OPTIMAL DILUTION FACTORS MUST BE DETERMINED BY THE END USER FOR THE SECONDARY STAINING REAGENTS, SPECIMEN, STAINING PROTOCOL AND APPLICATION EMPLOYED.

*The above dilution and incubation times were derived by the use of Innovex STAT-Q-detection system. For less sensitive detection systems these dilution factors may and they should be determined by the end user of specific detection system employed.*

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## APPLICATIONS

This antibody is intended for use in immunolocalization of TDT antigens by a variety of immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human tissues for the purpose of qualitative or quantitative localization of TDT antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

## SPECIES REACTIVITY

This antibody reactivity with human and bovine tissues has been substantiated, other species reactivity may be characterized by the end user.

## STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

## IMPORTANT NOTE:

**The interpretation of test results is the sole responsibility of the end user.**

***FOR PROFESSIONAL AND RESEARCH USE ONLY***