

**Rabbit Anti-T-bet/TBX21 (T-bet) [EP263]: RM0304**

**Intended Use:** For Research Use Only

**Description:** T-box transcription factor TBX21, also known as T-bet, is a member of the T-box family of transcription factors. It has been confirmed that TBX21 is the key lineage-defining transcription factor that directs the development Th1 cells and is directly responsible for the transactivation of the interferon- $\gamma$  (IFN- $\gamma$ ) gene. TBX21 is expressed in CD4+ T lymphocytes in normal tissues. In lymphoid malignancies, TBX21 has been found in a subset of T-cell lymphomas with Th1 T-cell differentiation, a subset of B-cell or T cells, non-Hodgkin's lymphomas, majority of Hodgkin's lymphomas and precursor B-cell lymphoblastic leukemia/lymphoblastic lymphomas. However, TBX21 is not expressed in diffuse large B-cell lymphoma and most cases of anaplastic large cell lymphoma. TBX21 is a useful new marker for Hodgkin's lymphoma. TBX21 is also helpful in identification of hairy cell leukemia (HCL).

**Specifications**

Clone: EP263  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human  
Localization: Nucleus  
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC  
Package:

Description	Catalog No.	Size
T-bet/TBX21 (T-bet) Concentrated	RM0304	1 ml

**IHC Procedure**

Positive Control Tissue: Hodgkin's lymphoma, spleen  
Concentrated Dilution: 50-200  
Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.

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