

Rabbit Anti-T-bet/TBX21 [MD40R]: RM0343

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- γ (IFN- γ) 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: MD40R
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Nucleus
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC, Flow Cyt., CHIP, ICC, IF, WB
Package:

Description	Catalog No.	Size
T-bet/TBX21 Concentrated	RM0343	1 ml

IHC Procedure

Positive Control Tissue: Tonsil
Concentrated Dilution: 50-100
Pretreatment: Citrate pH6.0 or 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.

Doc. 100-RM0343
Rev. A