
TBX21 (T-bet) (Clone SP263)

Rabbit Monoclonal Antibody

Specificity: Human

Immunogen: Synthetic peptide considered to N terminal of human TBX21.

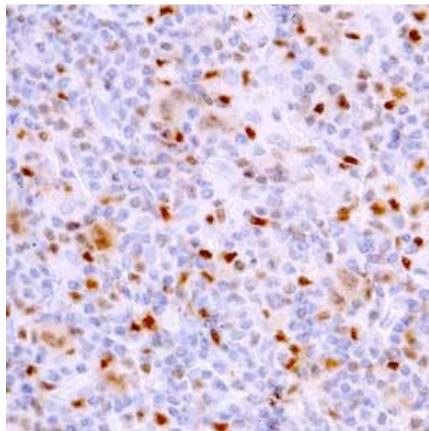
Ig Class: Rabbit IgG

Storage: Store vial at 4° C. When stored at 2-8° C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50-100; *Positive Control:* Lymph node. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

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).

Supplied As: Purified antibody fraction from rabbit anti-serum with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human Hodgkin lymphoma stained with anti-T-bet antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of tumor cells

Cat. #Z2324 (1.0 ml)

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