

Rabbit anti-T-bet, clone MRQ-46

Clone no. MRQ-46

MONOSAN Ready To Use

Product name	Rabbit anti-T-bet, clone MRQ-46
Host	Rabbit
Applications	IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	MRQ-46
Size	7 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

T-bet, a T-box transcription factor, is expressed in CD4+ T-lymphocytes committed to T-helper (Th)1 Tcell development from naïve T-helper precursor cells (Thp) and redirects Th2 T-cells to Th1 development. Anti-T-bet is a marker of mature T-cells and is expressed at very low levels in Thp cells and is absent in precursor T-lymphoblastic leukemia/lymphoma cells. Scattered small lymphocytes in the interfollicular T-cell zone of reactive lymphoid tissue, including tonsil, lymph node, and spleen exhibited nuclear staining for anti-T-bet, with no anti-T-bet staining observed in germinal centers or mantle or marginal zones. T-bet is expressed in a significant subset of B-cell lymphoproliferative disorders, particularly at an early stage of B-cell development (precursor B-cell lymphoblastic leukemia/lymphoblastic lymphoma), and B-cell neoplasms derived from mature B-cells, including CLL/SLL, marginal zone lymphoma, and hairy cell leukemia.

References

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2. Jöhrens K, et al. Am J Surg Pathol. 2007; 31:1181-5
3. Atayar C, et al. Am J Pathol. 2005; 166:127-34
4. Dorfman DM, et al. Am J Clin Pathol. 2004; 122:292-7
5. Harashima A, et al.. Leuk Res. 2005; 29:841-8

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