

Mouse anti-CD7, clone MRQ-56 (Monoclonal)

Clone no. MRQ-56

MONOSAN

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Product name	Mouse anti-CD7, clone MRQ-56 (Monoclonal)
Host	Mouse
Applications	IHC-P (1:100-1:500)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1-k
Clonality	Monoclonal
Clone number	MRQ-56
Size	1 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**

CD7 antigen is a 40-kDa cell surface glycoprotein that is a member of the immunoglobulin gene superfamily. While its precise function is not known, it is suggested that CD7 plays a role in T-cell interactions as it is one of the earliest T-cell lineage associated antigens expressed during T-cell ontogeny. CD7 is expressed in thymocytes, mature peripheral T-cells, natural killer cells, and lymphoid and myeloid progenitors. CD7 is the most consistently expressed T cell antigen in lymphoblastic lymphomas and leukemias, and is therefore a useful marker in the identification of such neoplastic proliferations. In mature post-thymic T cell neoplasms, it is the most common pan-T antigen to be aberrantly absent and its absence in a T cell population is a useful pointer to a neoplastic conversion.

**References**

1. Hodak E, et al. J Am Acad Dermatol. 2006 Aug;55(2):276-84
2. Stillwell R, et al. Immunol Res. 2001; 24:31-52
3. Schanberg LE, et al. Proc Natl Acad Sci USA. 1991; 88:603-7
4. Chabannon C, et al. J Immunol. 1992; 149:2110-3
5. Rabinowich H, et al. J Immunol. 2003; 152: 517-26

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