

Rabbit anti-Human PU.1, clone EPR3158Y (Monoclonal)

Clone no. EPR3158Y

MONOSAN

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Product name	Rabbit anti-Human PU.1, clone EPR3158Y (Monoclonal)
Host	Rabbit
Applications	IHC-P (1:50-1:200)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG
Clonality	Monoclonal
Clone number	EPR3158Y
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**

PU.1 is a transcription factor that has been shown to be important for normal B-cell development. PU.1 belongs to the ETS family of transcription factors. It is expressed in the myeloid lineage and in immature as well as mature B-lymphocytes, with the exception of plasma cells. PU.1 is essential during early B-cell differentiation. The absence of PU.1 results in total block of B-cell development at the prepro stage. Very little is known about PU.1 function in later stages of B-cell development. PU.1 does not seem to play a role in the end-stage of B-cell development and is not expressed in plasma cells. PU.1 exerts an important role in the regulation of the expression of crucial B-cell proteins, such as immunoglobulin (Ig) genes, and CD20 and its putative binding sites were also identified in the promoters of CD79, CD10, and CD22. PU.1 binds to the 3' enhancer region of both the Ig kappa and lambda light chain genes and it also regulates the immunoglobulin heavy chain genes through the intron enhancer region.

**References**

1. Hoefnagel JJ, et al. Mod Pathol. 2006; 19:1270-6
2. Hromas R, et al. Blood. 1993; 82:2998-3004
3. Loddenkemper C, et al. J Pathol. 2004; 202:60-9
4. -
5. -

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