

PAX-5 clone 24

Instructions for Use

Specification:

There are at least nine members of the paired box (PAX) gene family whose protein products are transcription factors involved in development. The conserved paired box DNA-binding domain is found in the N-terminal region of Pax proteins. An octamer and homeodomain sequence are conserved in the centre of the proteins. The Ser/Thr/ Pro-rich region in the C-terminal portion contains a conserved 100 amino acid transactivating domain. One of the best studied Pax family members, Pax-5 influences the expression of several B-cell-specific genes, such as CD 19 and CD 20. Pax-5 is expressed primarily in pro-, pre-, and mature B cells, but not in plasma cells. Interestingly, Pax-5 mRNA is transiently detected in the mesencephalon and spinal cord during embryogenesis. Expression then shifts to the fetal liver and correlates with the onset of B lymphopoiesis. PAX-5 has been found to be important in both B cell and nervous system development.

Availability:

Catalog No.	Contents	Volume
ILM6108-C01	PAX-5	0,1 ml concentrate
ILM6108-C05	PAX-5	0,5 ml concentrate
ILM6108-C1	PAX-5	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human, Mouse

Clone: 24

Species of origin: Mouse

Isotype: IgG1

Control Tissue: Tonsil

Staining: Nuclear

Immunogen: Human PAX-5 aa. 151-306

Presentation: 0.25 mg/ml in aqueous buffered solution containing BSA, glycerol, and ≤ 0.09% sodium azide

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:100 - 1:200)
- WB (dilution 1:250)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

Reference:

- 1) Adams,B., et al. 1992 Genes & Dev. 6:1589-1607 (background Ref.)
- 2) Zwollo,P., et al. 1997 J.Biol.Chem. 272:10160-10168 (background Ref.)
- 3) Foss, HD., et al 1999 Blood 94 :3108-3113 (IH : H tonsils)
- 4) Hertel, C.B., et al. 2002 Oncogene 21 : 4908-4920 (IH: H lymphoma cells)

