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Produktinformation

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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Mouse anti-LMO2, clone 1A9-1 (Monoclonal)

Clone no. 1A9-1

MONOSAN

Product name	Mouse anti-LMO2, clone 1A9-1 (Monoclonal)
Host	Mouse
Applications	IHC-P (1:100-1:200)
Species reactivity	Human
Conjugate	-
Immunogen	Recombinant LMO2 of human origin
Isotype	IgG
Clonality	Monoclonal
Clone number	1A9-1
Size	1 ml
Concentration	200 ug IgG1/ml
Format	Concentrate
Storage buffer	PBS with < 0.1% sodium azide and 0.1% gelatin
Storage until expiry date	2-8°C

Product datasheet MON10211

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Additional info

The LIM-only (LMO) proteins, LMO1 and LMO2, are nuclear factors that are characterized by a conserved LIM domain. The LIM domain consists of a cysteine-rich zinc-binding motif that is present in a variety of transcription factors, including the LIM homeobox (LHX) proteins expressed in the central nervous system and involved in cell differentiation. LMO1 and LMO2 are expressed in the adult CNS in a cell type-specific manner, where they are differentially regulated by neuronal activity and are involved in regulating the cellular differentiated phenotype of neurons. LMO2 lacks a specific DNA-binding homeobox domain but rather assembles into transcriptional regulatory complexes to mediate gene expression by interacting with the widely expressed nuclear LIM interactor (NLI). NLI, known also as CLIM-1, and the related protein CLIM-2 facilitate the formation of heteromeric LIM complexes and also enhance the nuclear retention of LIM proteins. LMO2 and the related protein LMO4 are expressed in thymic precursor cells. LMO4 is also expressed in mature T cells, cranial neural crest cells, somite, dorsal limb bud mesenchyme, motor neurons, and Schwann cell progenitors. 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. Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended. Control tissue Tonsil, salivary gland. Staining Cytoplasmic

References

1. Zhang, J., et al. 2009. Blood 113: 4586-4594.
2. Copie-Bergman, C., et al. 2009. J. Clin. Oncol. 27: 5573-5579.
3. Sonmez, M., et al. 2009. Hematology 14: 220-223.
4. Cobanoglu, U., et al. 2010. Hematology 15: 132-134.
5. Li, D., et al. 2012. Ann. Diagn. Pathol. 16: 335-343.