

Product datasheet for **TA320413**

LMO2 Mouse Monoclonal Antibody [Clone ID: 1A9-3B11]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 1A9-3B11 |
| Applications: | IHC |
| Recommended Dilution: | IHC |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Formulation: | Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer |
| Concentration: | lot specific |
| Purification: | Affinity purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | LIM domain only 2 |
| Database Link: | NP_005565 Entrez Gene 4005 Human P25791 |

Background: This 1A9-3B11 monoclonal antibody reacts with human LMO2, a member of the LIM-only family of zinc finger proteins. LMO2 possesses two LIM domains for homodimerization and an N-terminal transactivation domain. This 24-kDa transcription factor can be found as part of a transcriptional complex composed of TAL1, E47, GATA-1, and LDB1 proteins. LMO2 is expressed in myeloid cells, germinal center B cells, vascular endothelium, and a variety of cancers, including diffuse large B cell lymphomas (DLBCL), T cell acute lymphoblastic lymphomas, and vascular neoplasms. Expression of LMO2 in germinal center B cells has been shown to be regulated by microRNAs, specifically hsa-miR-223. Although the function of LMO2 remains unclear in germinal center B cells, this factor is involved in hematopoiesis and oncogenesis. In addition, expression of this molecule has been demonstrated to be prognostic marker for survival in DLBCL patients.

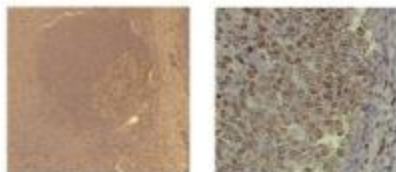


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Synonyms: RBTN2; RBTNL1; RHOM2; TTG2

Protein Families: Druggable Genome

Product images:



Immunohistochemistry of human tonsil tissue at a 1:1000 dilution of Anti-Human LMO2 Purified followed by Anti-Mouse IgG Biotin and avidin HRP and high (right) magnifications are shown.