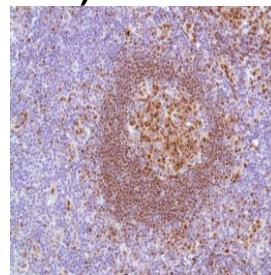




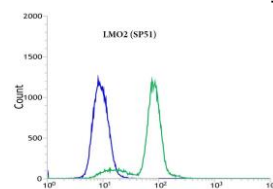
## Rabbit Anti-Human LMO2 Monoclonal Antibody (Clone SP51)

**CATALOG #:**

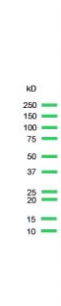
- M3510** 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M3512** 0.5 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M3514** 1.0 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M3511** 7.0 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide. (For IHC only)



Human tonsil stained with anti-LMO2 antibody



Flow cytometric analysis of rabbit anti-LMO2 (SP51) antibody in RAMOS (green) compare to negative control of rabbit IgG (blue)



Western Blot analysis of Ramos cell lysate with LMO2 antibody

**INTENDED USE:**

For Research Use Only. Not for use in diagnostic procedures.

**CLONE:**

SP51

**IMMUNOGEN:**

Synthetic peptide corresponding to near N-terminus of human LMO2 protein.

**IG ISOTYPE:**

Rabbit IgG

**EPITOPE:**

Not determined

**MOLECULAR WEIGHT**

18kDa

**SPECIES REACTIVITY:**

Human (tested). (See [www.springbio.com](http://www.springbio.com) for information on species reactivity predicted by sequence homology.)

**DESCRIPTION:**

LMO2 encodes a cysteine-rich, two LIM-domain protein that is required for yolk sac erythropoiesis. The LMO2 protein has a central and crucial role in hematopoietic development and is highly conserved. The LMO2 transcription start site is located approximately 25 kb downstream from the 11p13 T-cell translocation cluster (11p13 ttc), where T-cell acute lymphoblastic leukemia-specific translocations occur.

**APPLICATIONS:**

Immunohistochemistry (IHC), Western Blotting and Flow Cytometry

**IHC PROCEDURE:**

**Specimen Preparation:** Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.  
**Deparaffinization:** Deparaffinize slides using xylene or xylene alternative and graded alcohols.  
**Antibody Dilutions:** If using the concentrate format of this product, dilute the antibody 1:100 prior to use. The dilutions are estimates; actual results may differ because of variability in methods and protocols.  
**Antigen Retrieval:** Boil tissue section in 10mM Citrate buffer, pH 6.0 for 10-20 min followed by cooling at room temperature for 20 min.  
**Primary Antibody:** Incubate for 30 minutes at room temperature.  
**Slide Washing:** Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.  
**Visualization:** Detect the antibody as instructed by the instructions provided with the visualization system.

**IHC POSITIVE CONTROL:**

Tonsil

**WESTERN BLOTTING:**

Recommended starting protocol: Dilute the antibody 1:25. Incubate for 1 hour at room temperature.  
The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

**WESTERN BLOTTING POSITIVE CONTROL:**

Ramos cell lysate

**FLOW CYTOMETRY:**

Recommended starting protocol: Dilute the antibody 1:100. Incubate for 30 minutes at 4°C. The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

**FLOW CYTOMETRY  
POSITIVE CONTROL:**

Ramos Cell Line

**CELLULAR LOCALIZATION:**

Nucleus

**STORAGE & STABILITY**

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical Support at [spring.tech@ventana.roche.com](mailto:spring.tech@ventana.roche.com).

**WARNINGS &  
PRECAUTIONS:**

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.