


## Product datasheet

### Anti-LMO2 antibody [SP51] - N-terminal ab183328

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [1 References](#) [8 Images](#)

#### Overview

<b>Product name</b>	Anti-LMO2 antibody [SP51] - N-terminal
<b>Description</b>	Rabbit monoclonal [SP51] to LMO2 - N-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), IHC-P <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rabbit, Chicken, Cow, Dog, Pig  <b>Does not react with:</b> Rat
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Ramos cell lysate, Human tonsil tissue. Flow Cyt (intra): Ramos and Raw264.7 cells
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.1% Sodium azide Constituents: 1% BSA, PBS
<b>Purity</b>	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP51
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab183328 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

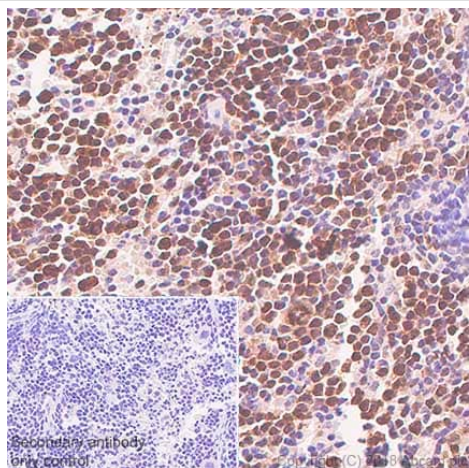
Application	Abreviews	Notes
Flow Cyt (Intra)		1/100 - 1/200. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Application notes** Is unsuitable for WB.

## Target

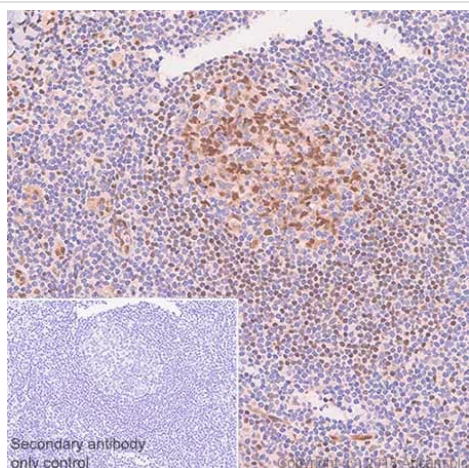
<b>Function</b>	Acts with TAL1/SCL to regulate red blood cell development. Also acts with LDB1 to maintain erythroid precursors in an immature state.
<b>Involvement in disease</b>	Note=A chromosomal aberration involving LMO2 may be a cause of a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(11,14)(p13;q11) with TCRD.
<b>Sequence similarities</b>	Contains 2 LIM zinc-binding domains.
<b>Domain</b>	The second LIM zinc-binding domain interacts with KDM5A.
<b>Cellular localization</b>	Nucleus.

## Images



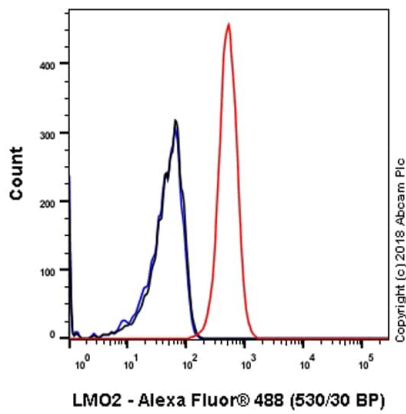
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LMO2 antibody [SP51] - N-terminal (ab183328)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse spleen tissue sections labeling LMO2 with ab183328 at 1/50 dilution (3.22 µg/ml). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. The section was incubated with ab183328 for 30 mins at room temperature.



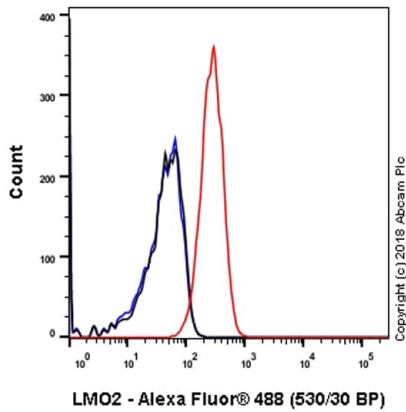
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LMO2 antibody [SP51] - N-terminal (ab183328)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling LMO2 with ab183328 at 1/50 dilution (3.22 µg/ml). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Mainly nuclear staining on the human tonsil, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with ab183328 for 30 mins at room temperature.



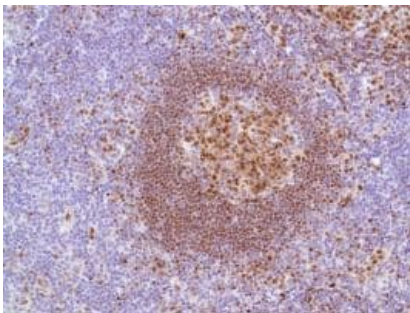
Flow Cytometry (Intracellular) - Anti-LMO2 antibody  
[SP51] - N-terminal (ab183328)

Intracellular Flow Cytometry analysis of Raw264.7 (mouse abelson murine leukemia virus-induced tumor) labeling LMO2 with purified ab183328 at 1/200 dilution (0.81 µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) at 1/2000 dilution was used as a secondary antibody. Isotype control - Rabbit monoclonal IgG (**ab172730**) (Black). Unlabeled control - Unlabelled cells (blue).



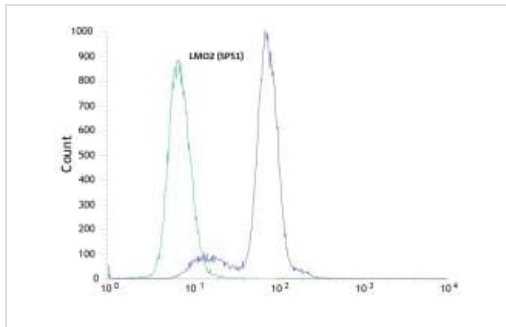
Flow Cytometry (Intracellular) - Anti-LMO2 antibody  
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Intracellular Flow Cytometry analysis of Ramos (human Burkitt's lymphoma) labeling LMO2 with purified ab183328 at 1/200 dilution (0.81 µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as a secondary antibody. Isotype control - Rabbit monoclonal IgG (**ab172730**) (Black). Unlabeled control - Unlabelled cells (blue).



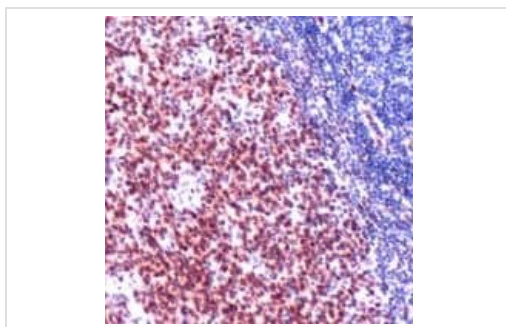
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LMO2 antibody [SP51] - N-terminal (ab183328)

Immunohistochemical analysis of paraffin embedded Human tonsil tissue labeling LMO2 with ab183328 at 1/100.



Intracellular flow cytometric analysis of LMO2 in RAMOS cells using ab183328 (1/100) (green) compared to negative control of rabbit IgG (blue).

Flow Cytometry (Intracellular) - Anti-LMO2 antibody [SP51] - N-terminal (ab183328)



Immunohistochemical analysis of paraffin embedded Human tonsil tissue labeling LMO2 with ab183328 at 1/100.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LMO2 antibody [SP51] - N-terminal (ab183328)

Why choose a recombinant antibody?

**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-LMO2 antibody [SP51] - N-terminal (ab183328)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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