

Datasheet for ABIN7656389  
**anti-LMO2 antibody (AA 23-140) (CF®568)**



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## Overview

|                      |                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                   |
| Target:              | LMO2                                                                                                                                                     |
| Binding Specificity: | AA 23-140                                                                                                                                                |
| Reactivity:          | Human                                                                                                                                                    |
| Host:                | Mouse                                                                                                                                                    |
| Clonality:           | Monoclonal                                                                                                                                               |
| Conjugate:           | This LMO2 antibody is conjugated to CF®568                                                                                                               |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS),<br>Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

## Product Details

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| Purpose:         | LMO2 (B-Cell Marker)(LMO2/1971), CF568 conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen:       | Recombinant human LMO2 protein fragment (around aa 23-140)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone:           | LMO2-1971                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Isotype:         | IgG2b, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Characteristics: | <p>The LMO2 protein has a central and crucial role in hematopoietic development and is highly conserved. It has a particular function in normal and lymphatic endothelial cells involving the regulation of angiogenesis and lymph-angiogenesis. Immunohistochemical studies have also demonstrated expression of LMO2 in both normal germinal center B-cells and germinal center-derived B-cell lymphomas, including follicular lymphoma and diffuse large B-cell lymphoma.</p> <p>The use of anti-LMO2 is valuable as a tool in the identification of lymphomas of B-cell origin.</p> |

## Product Details

LMO2 is useful in differentiating follicular lymphoma (LMO2 ) from nodal marginal zone lymphoma (LMO2-). It also is positive in Hodgkin's and Burkitt's lymphomas. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                                                                                                      |
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| Target:           | LMO2                                                                                                                                                                                                                                                 |
| Alternative Name: | LMO2                                                                                                                                                                                                                                                 |
| Background:       | Synonyms: Cysteine-rich protein TTG-2, LIM domain only protein 2, LMO-2, RBTN L1, RBTN2, Rhombotin like 1, Rhombotin-2 (RHOM2), T-cell translocation protein 2, TTG2<br>Gene Symbol: LMO2<br>Tissue Expression: B-cells Endothelial cells Lymphatics |
| Molecular Weight: | 24 kDa                                                                                                                                                                                                                                               |
| Gene ID:          | 4005                                                                                                                                                                                                                                                 |
| UniProt:          | <a href="#">P25791</a>                                                                                                                                                                                                                               |
| Pathways:         | <a href="#">Chromatin Binding</a>                                                                                                                                                                                                                    |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator.                     |
| Comment:           | Positive Control: K562, Ramos or Raji cells. Placenta, pancreas or Hodgkin s lymphoma. |
| Restrictions:      | For Research Use only                                                                  |

## Handling

|                |                              |
|----------------|------------------------------|
| Format:        | Liquid                       |
| Concentration: | 0.1 mg/mL                    |
| Buffer:        | PBS, 0.1 % BSA, 0.05 % azide |
| Preservative:  | Sodium azide                 |

## Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Handling Advice: | Protect from light |
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| Storage: | 4 °C |
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| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
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| Expiry Date: | 24 months |
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