

Datasheet for ABIN7656396

## Recombinant anti-LMO2 antibody (AA 23-140) (CF®488A)



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### Overview

|                      |                                                |
|----------------------|------------------------------------------------|
| Quantity:            | 100 µL                                         |
| Target:              | LMO2                                           |
| Binding Specificity: | AA 23-140                                      |
| Reactivity:          | Human                                          |
| Host:                | Rabbit                                         |
| Antibody Type:       | Recombinant Antibody                           |
| Clonality:           | Monoclonal                                     |
| Conjugate:           | This LMO2 antibody is conjugated to CF®488A    |
| Application:         | Flow Cytometry (FACS), Immunofluorescence (IF) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | LMO2 (B-Cell Marker)(LMO2/3147R), CF488A conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen:       | Recombinant fragment (around aa 23-140) human LMO2 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone:           | LMO2-3147R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype:         | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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

|                   |                                                                                                                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|                    |                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Flow cytometry: 1-2 µg/million cells, Immunofluorescence: 1-2 µg/mL, Optimal dilution for a specific application should be determined.. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody |
| 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 |

## Handling

|                    |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Buffer:            | PBS, 0.1 % BSA, 0.05 % azide                                                                                                         |
| Preservative:      | Sodium azide                                                                                                                         |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.               |
| Handling Advice:   | Protect from light                                                                                                                   |
| Storage:           | 4 °C                                                                                                                                 |
| 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 |
| Expiry Date:       | 24 months                                                                                                                            |