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## 36-2707: Anti-LMO2 (B-Cell Marker) Monoclonal Antibody (Clone: rLMO2/1971)

Monoclonal Clonality: Clone Name: rLMO2/1971 Application: FACS.WB.IHC

Reactivity: Human Gene: LMO<sub>2</sub> Gene ID: 4005 **Uniprot ID:** P25791

Cysteine-rich protein TTG-2; LIM domain only protein 2; LMO-2; RBTN L1; RBTN2; Rhombotin like **Alternative Name:** 

1; Rhombotin-2 (RHOM2); T-cell translocation protein 2; TTG2

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant human LMO2 protein fragment (around aa 23-140) (exact sequence is proprietary)

## **Description**

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. The use of anti-LMO2 is valuable as a tool in the identification of lymphomas of B-cell origin. LMO2 is useful in differentiating follicular lymphoma (LMO2+) from nodal marginal zone lymphoma (LM02-). It also is positive in Hodgkin s and Burkitt s lymphomas.

## **Product Info**

Amount: 20 μg / 100 μg

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with Content:

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is Storage condition:

stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),

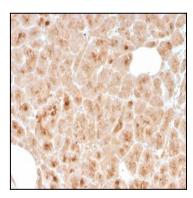


Fig. 1: Formalin-fixed, paraffin-embedded human pancreas stained with LMO2 Mouse Monoclonal Antibody (rLMO2/1971).



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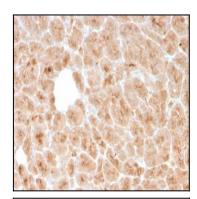


Fig. 2: Formalin-fixed, paraffin-embedded human pancreas stained with LMO2 Mouse Monoclonal Antibody (rLMO2/1971).

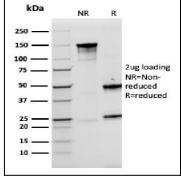


Fig. 3: SDS-PAGE Analysis Purified LMO2 Mouse Monoclonal Antibody (rLMO2/1971). Confirmation of Purity and Integrity of Antibody.