Datasheet for ABIN7656408

Recombinant anti-LMO2 antibody (AA 23-140)

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Overview

Quantity:	50 µL
Target:	LMO2
Binding Specificity:	AA 23-140
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This LMO2 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

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

Product Details

	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. 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 Gene Symbol: LMO2 Tissue Expression: B-cells|Endothelial cells|Lymphatics
Molecular Weight:	24 kDa
Gene ID:	4005
UniProt:	P25791
Pathways:	Chromatin Binding

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:	1 mg/mL

Handling

Buffer:	PBS, no BSA, no azide
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Store at -20 °C. Protect fluorescent conjugates from light
Expiry Date:	24 months