

Datasheet for ABIN7656388

Recombinant anti-LMO2 antibody (AA 23-140) (CF®647)



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Overview

Quantity:	100 µL
Target:	LMO2
Binding Specificity:	AA 23-140
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This LMO2 antibody is conjugated to CF®647
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	LMO2 (B-Cell Marker)(rLMO2/1971), CF647 conjugate
Immunogen:	Recombinant human LMO2 protein fragment (around aa 23-140)
Clone:	RLMO2-1971
Isotype:	IgG1, kappa
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.

Product Details

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 (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 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:	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

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. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months