antibodies

Datasheet for ABIN6939968 Recombinant anti-LMO2 antibody (AA 23-140)





Overview

Quantity:	100 µg
Target:	LM02
Binding Specificity:	AA 23-140
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fragment (around aa 23-140) human LMO2 protein (exact sequence is proprietary)
Clone:	LM02-3147R
Isotype:	lgG
Purification:	Purified by Protein A/G

Target Details

Target:	LM02
Alternative Name:	LM02 (LM02 Products)
Background:	The LMO2 protein has a central and crucial role in hematopoietic development and is highly

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Target Details

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.

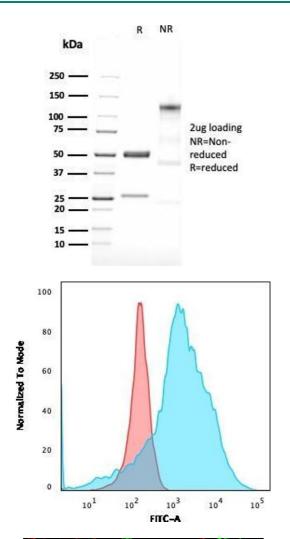
Molecular Weight:	24kDa
Gene ID:	4005
UniProt:	P25791
Pathways:	Chromatin Binding

Application Details

Application Notes:	Positive Control: K562, Ramos or Raji cells. Placenta, Pancreas or Hodgkin s lymphoma. Known Application: Flow Cytometry (1-2 µg/million cells), ,Immunofluorescence (1-2 µ g/mL),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % 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.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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Images



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified LMO2 Recombinant Rabbit Monoclonal Antibody (LMO2/3147R). Confirmation of Purity and Integrity of Antibody.

Flow Cytometry

Image 2. Flow Cytometric Analysis of K562 cells using LMO2 Recombinant Rabbit Monoclonal Antibody (LMO2/3147R) followed by goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).

Immunofluorescence

Image 3. Immunofluorescence staining of K562 cells using LMO2 Recombinant Rabbit Monoclonal Antibody (LMO2/3147R) followed by goat anti-rabbit IgG conjugated to CF488 (green). Membrane stained with Phalloidin (Red).

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