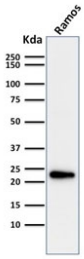
LMO2 Antibody / Rhombotin 2 [clone LMO2/1971] (V7925)

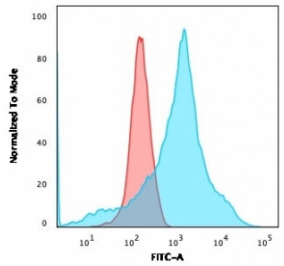
Catalog No.	Formulation	Size
V7925-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7925-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7925SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

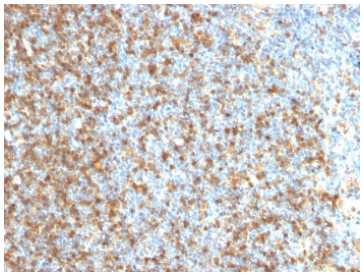
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	LMO2/1971
Purity	Protein G affinity chromatography
UniProt	P25791
Localization	Nuclear, cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells in 0.1ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This LMO2 antibody is available for research use only.



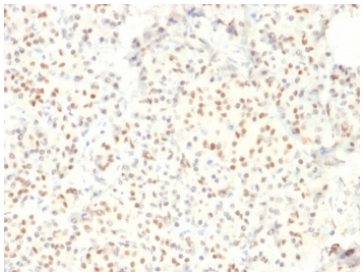
Western blot testing of human Ramos cell lysate with LMO2 antibody. Predicted molecular weight ~25 kDa.



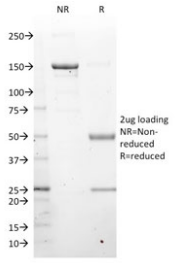
Flow cytometry testing of permeabilized human K562 cells with LMO2 antibody; Red=isotype control, Blue= LMO2 antibody.



IHC staining of FFPE human follicular lymphoma with LMO2 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC staining of FFPE human pancreas with LMO2 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free LMO2 antibody as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the LMO2 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 23-140) was used as the immunogen for the LMO2 antibody.

Storage

Store the LMO2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).