

Datasheet for ABIN953196
anti-LMO4 antibody (Middle Region)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	0.4 mL
Target:	LMO4
Binding Specificity:	AA 107-135, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LMO4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 107-135 amino acids from the Central region of human LMO4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse LMO4 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	LMO4
Alternative Name:	LMO4 (LMO4 Products)
Background:	This gene encodes a cysteine-rich protein that contains two LIM domains but lacks a DNA-

Target Details

	binding homeodomain. The encoded protein may play a role as a transcriptional regulator or as an oncogene.Synonyms: Breast tumor autoantigen, LIM domain only protein 4, LIM domain transcription factor LMO4, LMO-4, LMO4
Molecular Weight:	17994 Da
Gene ID:	8543
NCBI Accession:	NP_006760
Pathways:	Tube Formation

Application Details

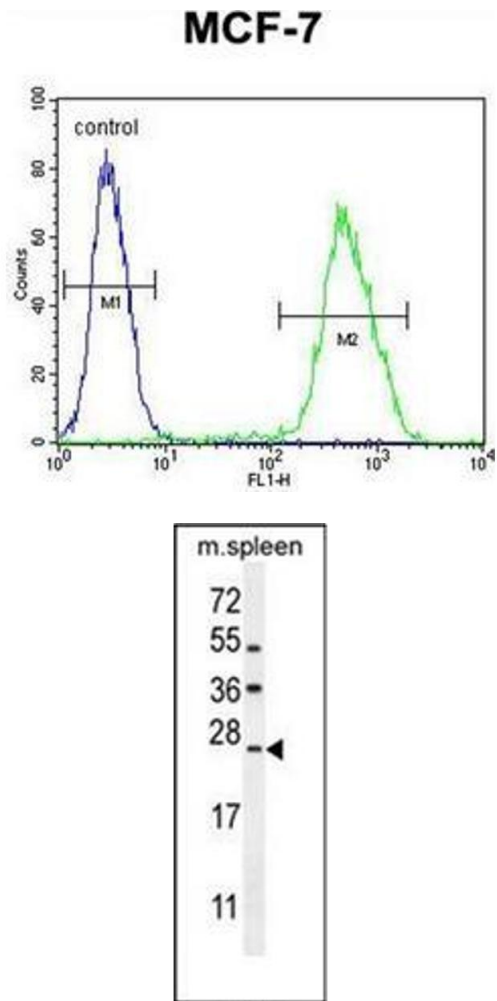
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

Product cited in:	Ding, Wu, Li, Sheng, Wang, Tan: "LMO4 mediates trastuzumab resistance in HER2 positive breast cancer cells." in: American journal of cancer research , Vol. 8, Issue 4, pp. 594-609, (2018) (PubMed).
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Flow Cytometry

Image 1. Flow cytometric analysis of MCF-7 cells using LMO4 Antibody (Center) Cat.-No AP52507PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis

Western Blotting

Image 2. Western blot analysis of LMO4 Antibody (Center) in mouse spleen tissue lysates (35ug/lane). This demonstrates the LMO4 antibody detected the LMO4 protein (arrow).