LMO4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	LMO4, Monoclonal Antibody
Full Product Name	LMO4 (LIM Domain only 4) (Biotin)
Product Gene Name	anti-LMO4 antibody
Product Synonym Names	LIM Domain only 4
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3B4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes LMO4.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be r assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	603129
3D Structure	ModBase 3D Structure for P61968
Immunogen	LMO4 (NP_006760, 57aa-165aa) full length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LGDIGTSCYTKSGMILCRNDYIRLFGNSGACSACGQSIPASELVMRAQGNVYHLKCFTCSTCRNRLVPGDRFHYINGSLFCEHDRPTALINGHLNSLQSNF
Conjugate	Biotin
Product Categories/Family for anti-LMO4 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-LMO4 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-LMO4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-LMO4 antibody	This gene encodes a cysteine-rich protein that contains two LIM domains but lacks a DNA-binding homeodomain. The encoded protein may play a role transcriptional regulator or as an oncogene. [provided by RefSeq]

Other Notes	Small volumes of anti-LMO4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional may apply.
Searchable Terms for LMO4 purchase	MBS6172271 is an antibody targeting LMO4. Also known as LMO4 (LIM Domain only 4) (Biotin). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LMO4. It may not necessarily be applicable to this product.

NCBI GI #	5803072
NCBI GeneID	8543
NCBI Accession #	NP_006760
UniProt Primary Accession #	P61968
UniProt Related Accession #	P61968
GenBank Nucleotide #	NP_006760.1
NCBI Official Full Name	LIM domain transcription factor LMO4
NCBI Official Synonym Full Names	LIM domain only 4
NCBI Official Symbol	LMO4
UniProt Protein Name	LIM domain transcription factor LMO4
UniProt Synonym Protein Names	Breast tumor autoantigen; LIM domain only protein 4
Protein Family	LIM domain transcription factor
UniProt Gene Name	LMO4
UniProt Synonym Gene Names	LMO-4
UniProt Entry Name	LMO4_HUMAN
NCBI Protein Information	LIM domain transcription factor LMO4
UniProt Comments for LMO4	LMO4: Probable transcriptional factor. Protein type: Transcription factor Chromosomal Location of Human Ortholog: 1p22.3 Cellular Component: transcription factor complex Molecular Function: zinc ion binding; transcription factor activity; transcription factor binding Biological Process: transcription from RNA polymerase II promoter; thymus development; ventral spinal cord interneuron differentiation; neural tube closure; regulation of cell activation; regulation of cell fate specification; spinal cord association neuron differentiation; positive regulation of transcription from RNA polymerase II promoter; spinal cord motor neuron differentiation; negative regulation of protein complex assembly
Research Articles on LMO4	**1.** miR-150 might inhibit cell proliferation and promoted apoptosis in Burkitt lymphoma deterioration by downregulating LMO4.
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