LMO2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	LMO2, Monoclonal Antibody
Full Product Name	LMO2 (LIM Domain only 2 (Rhombotin-like 1), LIM Domain only 2, T-cell Translocation Gene 2, Rhombotin 2, Rhombotin-like 1, RBTN2, RBTNL1, RH
Product Gene Name	anti-LMO2 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	6B8
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified
Specificity	Recognizes human LMO2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	Recombinant protein corresponding to aa1-158 from full-length human LMO2 with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSSAIERKSLDPSEEPVDEVLQIPPSLLTCGGCQQNIGDRYFLKAIDQYWHEDCLSCDLCGCRLGEVGRRLYYKLGRKLCRRDYLRPFGQDGLCASCDK
Conjugate	MaxLight650
Product Categories/Family for anti-LMO2 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-LMO2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-LMO2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-LMO2 antibody	LMO2 encodes a cysteine-rich, two LIM-domain protein that is required for yolk sac erythropoiesis. The LMO2 protein has a central and crucial role in h is located approximately 25kb downstream from the 11p13 T-cell translocation cluster (11p13 ttc), where a number T-cell acute lymphoblastic leukemia encoding different isoforms.
Other Notes	Small volumes of anti-LMO2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for LMO2 purchase	MBS6226223 is an antibody targeting LMO2. Also known as LMO2 (LIM Domain only 2 (Rhombotin-like 1), LIM Domain only 2, T-cell Translocation Ge 650). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LMO2. It may not necessarily be applicable to this product.

NCBI GI #	21706499
NCBI GeneID	4005
NCBI Accession #	AAH34041
UniProt Related Accession #	P25791
NCBI Official Full Name	LMO2 protein
NCBI Official Synonym Full Names	LIM domain only 2
NCBI Official Symbol	LMO2
NCBI Official Synonym Symbols	TTG2; LMO-2; RBTN2; RHOM2; RBTNL1
Protein Family	Rhombotin
NCBI Protein Information	rhombotin-2
NCBI Summary for LMO2	LMO2 encodes a cysteine-rich, two LIM-domain protein that is required for yolk sac erythropoiesis. The LMO2 protein has a central and crucial role in hematopoietic development and is highly conserved. The LMO2 transcription start site is located approximately 25 kb downstream from the 11p13 T-cell translocation cluster (11p13 ttc), where a number T-cell acute lymphoblastic leukemia-specific translocations occur. Alternative splicing results in multiple transcript variants encoding different isoforms.[provided by RefSeq, Nov 2008]
Research Articles on LMO2	**1.** Lysine deacetylation of LMO2 is essential for the LDB1 interaction and transcriptional activity of the TAL1 complex.
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