# LMO2 Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **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 MaxLight405. |
| **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: MaxLight405 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** | MaxLight405 |
| **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. |

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| **Searchable Terms for LMO2 purchase** | MBS6194198 is an antibody targeting LMO2. Also known as LMO2 (LIM Domain only 2 (Rhombotin-like 1), LIM Domain only 2, T-cell Translocation Ge 405). 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.

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| **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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