MLXIPL Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	MLXIPL, Monoclonal Antibody
Full Product Name	MLXIPL (MLX Interacting Protein-like, CHREBP, MIO, MONDOB, WBSCR14, WS-bHLH, bHLHd14) (MaxLight 490)
Product Gene Name	anti-MLXIPL antibody
Product Synonym Names	MLX Interacting Protein-like; CHREBP; MIO; MONDOB; WBSCR14; WS-bHLH; bHLHd14
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5B2
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes MLXIPL.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	78,360 Da
Immunogen	MLXIPL (NP_116569.1, 603aa-700aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PPAPSGSERRLSGDLSSMPGPGTLSVRVSPPQPILSRGRPDSNKTENRRITHISAEQKRRFNIKLGFDTLHGLVSTLSAQPSLKVSKATTLQKTAEYI
Conjugate	MaxLight490
Product Categories/Family for anti-MLXIPL antibody	Antibodies; Disease Markers
Applications Tested/Suitable for anti-MLXIPL antibody	FLISA
Application Notes for anti-MLXIPL antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-MLXIPL antibody	This gene encodes a basic helix-loop-helix leucine zipper transcription factor of the Myc/Max/Mad superfamily. This protein forms a heterodimeric complex and binds and activates, in a glucose-dependent manner, carbohydrate response element (ChoRE) motifs in the promoters of triglyceride synthesis genes. The gene is deleted in Williams-Beuren syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at chromosome 7q11.23. [provided by RefSeq]

Other Notes	Small volumes of anti-MLXIPL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly 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 dry ice fee may apply.
Searchable Terms for MLXIPL purchase	MBS6207410 is an antibody targeting MLXIPL. Also known as MLXIPL (MLX Interacting Protein-like, CHREBP, MIO, MONDOB, WBSCR14, WS-bHLH, bHLHd14) (MaxLight 490). Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	14602433
NCBI GeneID	51085
NCBI Accession #	NP_116569.1
UniProt Secondary Accession #	Q96E48; Q9BY03; Q9BY04; Q9BY05; Q9BY06; Q9Y2P3; C5HU02; C5HU03; C5HU04
UniProt Related Accession #	Q9NP71
GenBank Nucleotide #	NM_032951.2
NCBI Official Full Name	carbohydrate-responsive element-binding protein isoform alpha
NCBI Official Synonym Full Names	MLX interacting protein like
NCBI Official Symbol	MLXIPL
NCBI Official Synonym Symbols	MIO; CHREBP; MONDOB; WBSCR14; WS-bHLH; bHLHd14
Protein Family	Carbohydrate-responsive element-binding protein
NCBI Protein Information	carbohydrate-responsive element-binding protein
Research Articles on MLXIPL	**1.** FLII is a component of the ChREBP transcriptional complex and negatively regulates ChREBP function in cancer cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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