KLF11 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	KLF11, Monoclonal Antibody
Full Product Name	KLF11 (Kruppel-like Factor 11, FKLF, FKLF1, MODY7, TIEG2, Tieg3) (MaxLight 750)
Product Gene Name	anti-KLF11 antibody
Product Synonym Names	Kruppel-like Factor 11; FKLF; FKLF1; MODY7; TIEG2; Tieg3
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	10D8
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes KLF11.
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 immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of produc original vial prior to removing the cap.
Molecular Weight	55kDa
OMIM	603301
3D Structure	ModBase 3D Structure for O14901
Immunogen	KLF11 (NP_003588, 404aa-512aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	TYFKSSHLKAHLRTHTGEKPFNCSWDGCDKKFARSDELSRHRRTHTGEKKFVCPVCDRRFMRSDHLTKHARRHMTTKKIPGWQAEVGKLNRIASAESP
Conjugate	MaxLight750
Product Categories/Family for anti-KLF11 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-KLF11 antibody	FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-KLF11 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-KLF11 antibody	MBS6239105 is an antibody targeting KLF11. Also known as KLF11 (Kruppel-like Factor 11, FKLF, FKLF1, MODY7, TIEG2, Tieg3) (MaxLight 750). Ho Mouse monoclonal antibody raised against a partial recombinant KLF11.

Other Notes	Small volumes of anti-KLF11 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 apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLF11. It may not necessarily be applicable to this product.

NCBI GI #	4507503
NCBI GeneID	8462
NCBI Accession #	NP_003588
UniProt Primary Accession #	O14901
UniProt Related Accession #	O14901
GenBank Nucleotide #	NM_003597
NCBI Official Full Name	Krueppel-like factor 11 isoform a
NCBI Official Synonym Full Names	Kruppel like factor 11
NCBI Official Symbol	KLF11
NCBI Official Synonym Symbols	FKLF; FKLF1; MODY7; TIEG2; Tieg3
UniProt Protein Name	Krueppel-like factor 11
UniProt Synonym Protein Names	Transforming growth factor-beta-inducible early growth response protein 2
Protein Family	Krueppel-like factor
UniProt Gene Name	KLF11
UniProt Synonym Gene Names	FKLF; TIEG2; TGFB-inducible early growth response protein 2; TIEG-2
UniProt Entry Name	KLF11_HUMAN
NCBI Protein Information	Krueppel-like factor 11
NCBI Summary for KLF11	The protein encoded by this gene is a zinc finger transcription factor that binds to SP1-like sequences in epsilon- and gamma-globin gene promoters. This binding inhibits cell growth and causes apoptosis. Defects in this gene are a cause of maturity-onset diabetes of the young type 7 (MODY7). Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]
UniProt Comments for KLF11	TIEG2: Transcription factor. Activates the epsilon- and gamma- globin gene promoters and, to a much lower degree, the beta-globin gene and represses promoters containing SP1-like binding inhibiting cell growth. Represses transcription of SMAD7 which enhances TGF-beta signaling. Induces apoptosis. Defects in KLF11 are the cause of maturity-onset diabetes of the young type 7 (MODY7). MODY is a form of diabetes that is characterized by an autosomal dominant mode of inheritance, onset in childhood or early adulthood (usually before 25 years of age), a primary defect in insulin secretion and frequent insulin-independence at the beginning of the disease. Belongs to the Sp1 C2H2-type zinc-finger protein family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; C2H2-type zinc finger protein; Transcription factor Chromosomal Location of Human Ortholog: 2p25 Cellular Component: nucleus Molecular Function: metal ion binding; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; G1/S-specific transcription in mitotic cell cycle; negative regulation of cell proliferation; positive regulation of apoptosis; apoptosis; negative regulation of transcription from RNA polymerase II promoter Disease: Maturity-onset Diabetes Of The Young, Type 7

Research Articles on KLF11	**1.** Profibrotic gene expression was activated in a primary human peritoneal cell line in response to KLF11 short hairpin RNA and medroxyprogesterone acetate but not estradiol.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-antibody/klf11/6239105