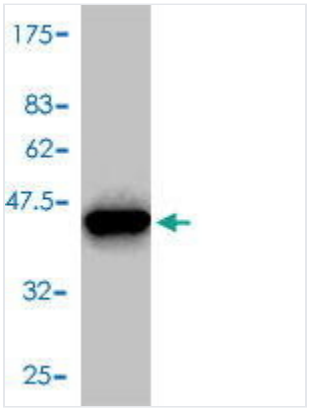
FKBP1A Antibody – Mouse Monoclonal

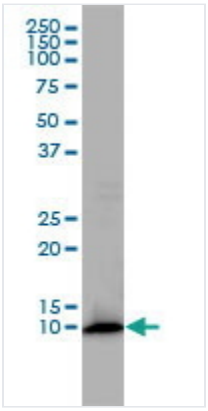
PRODUCT OVERVIEW

Product Name	FKBP1A, Monoclonal Antibody
Full Product Name	FKBP1A (Peptidyl-prolyl cis-trans Isomerase FKBP1A, PPIase FKBP1A, FK506-binding Protein 1A, FKBP-1A, Rotamase, Immunophilin FKBP12, 12kD 12kD FK506-binding Protein, FKBP-12, FKBP1, FKBP12) (MaxLight 750)
Product Gene Name	anti-FKBP1A antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1E5-A12
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human FKBP1A.
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 to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of proc centrifuge the original vial prior to removing the cap.
Molecular Weight	11,951 Da
Immunogen	Full length recombinant protein corresponding to aa1-108 from human FKBP1A with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MGVQVETISPGDGRTFPKRGQTCVVHYTGMLEDGKKFDSSRDRNKPFKFMLGKQEVIRGWEEGVAQMSVGQRAKLTISPDYAYGATGHPGIIPPHATLV
Conjugate	MaxLight750
Product Categories/Family for anti-FKBP1A antibody	Antibodies; Enzymes; Isomerase
Applications Tested/Suitable for anti-FKBP1A antibody	FLISA, Western Blot (WB)
Application Notes for anti-FKBP1A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-FKBP1A antibody	FKBP12 is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding ar The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transd proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex the tetrameric skeletal muscle ryanodine receptor. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompact ventricular myocardium.

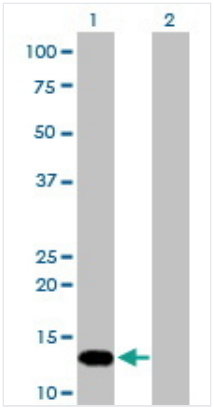
Product References and Citations for anti-FKBP1A antibody	1. Protein-protein interactions: an application of tus-ter mediated protein microarray system. Sitaraman K, Chatterjee DK.Methods Mol Biol. 2011;723:1
Other Notes	Small volumes of anti-FKBP1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece 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 FKBP1A purchase	MBS6232871 is an antibody targeting FKBP1A. Also known as FKBP1A (Peptidyl-prolyl cis-trans Isomerase FKBP1A, PPIase FKBP1A, FK506-binding FKBP-1A, Rotamase, Immunophilin FKBP12, 12kD FKBP, 12kD FK506-binding Protein, FKBP-12, FKBP1, FKBP12) (MaxLight 750). Reactive in Huma Mouse.



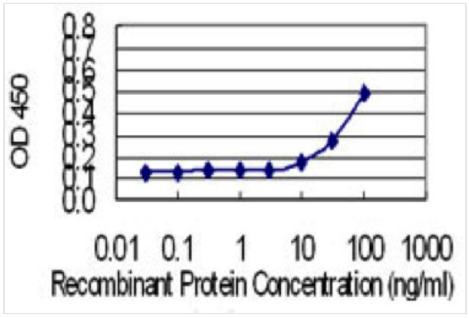
Western Blot (WB) of anti-FKBP1A antibody
Western Blot detection against Immunogen (37.62kD).



Western Blot (WB) of anti-FKBP1A antibody
Western Blot analysis of FKBP1A expression in HL-60 using 126829.



Western Blot (WB) of anti-FKBP1A antibody
Western Blot analysis of FKBP1A expression in transfected 293T cell line by 126829. Lane 1: FKBP1A transfected lysate (12kD). Lane 2: Non-transfected lysate.



Testing Data of anti-FKBP1A antibody
Detection limit for recombinant GST tagged FKBP1A is 3ng/ml using 126829 as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FKBP1A. It may not necessarily be applicable to this product.

NCBI GI #	37588948
NCBI GeneID	2280
NCBI Accession #	BC005147
NCBI Related Accession #	AAH05147
UniProt Secondary Accession #	P20071; Q4VC47; Q6FGD9; Q6LEU3; Q9H103; Q9H566; D3DVW6
UniProt Related Accession #	P62942
NCBI Official Full Name	Homo sapiens FK506 binding protein 1A, 12kDa, mRNA

NCBI Official Synonym Full Names	FK506 binding protein 1A
NCBI Official Symbol	FKBP1A
NCBI Official Synonym Symbols	FKBP1; PKC12; PKCI2; FKBP12; PPIASE; FKBP-12; FKBP-1A
Protein Family	Peptidyl-prolyl cis-trans isomerase
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP1A
NCBI Summary for FKBP1A	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex formation of the tetrameric skeletal muscle ryanodine receptor. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompaction of left ventricular myocardium. Multiple alternatively spliced variants, encoding the same protein, have been identified. The human genome contains five pseudogenes related to this gene, at least one of which is transcribed. [provided by RefSeq, Sep 2008]
Research Articles on FKBP1A	**1.** Findings indicate that mutant huntingtin (mHTT) aggregates can be transformed into benign species by isomerase FKBP12.
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-human-antibody/fkbp1a/6232871