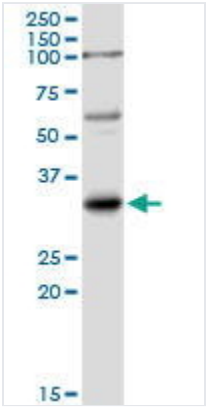
IL1B Antibody – Rabbit Polyclonal

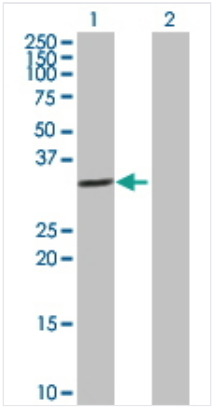
PRODUCT OVERVIEW

Product Name	IL1B, Polyclonal Antibody
Full Product Name	IL1B (Interleukin-1 beta, IL-1 beta, Catabolin, IL1F2) (PE)
Product Gene Name	anti-IL1B antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human IL1B. Species Crossreactivity: mouse.
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
Molecular Weight	17.7kD
Chromosome Location	Chromosome: 2; NC_000002.11 (113587337..113594356, complement). Location: 2q14
OMIM	147720
3D Structure	ModBase 3D Structure for P01584
Immunogen	Full length human L1B, aa1-269 (AAH08678.1).
Immunogen Sequence	MAEVPELASEMMAYYSGNEDDLFFEADGPKQMKCSFQDLDLCPLDGGIQLRISDHHYSKGFRQAASVVVAMDKLRKMLVPCPQTFQENDLSTFFPFIFE
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-IL1B antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL1B antibody	Western Blot (WB)
Application Notes for anti-IL1B antibody	Applications are based on unconjugated antibody.

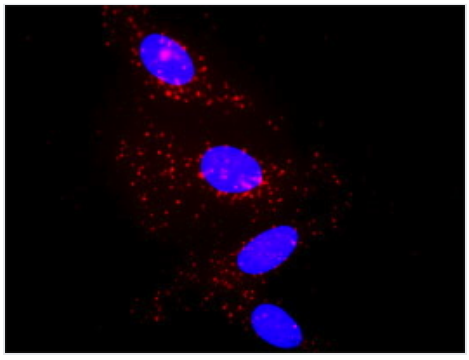
Related Product Information for anti-IL1B antibody	IL1B is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically proc cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity.
Product References and Citations for anti-IL1B antibody	1. Ginger Phenylpropanoids Inhibit IL-1{beta} and Prostanoid Secretion and Disrupt Arachidonate-Phospholipid Remodeling by Targeting Phospholipas
Other Notes	Small volumes of anti-IL1B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar
Searchable Terms for IL1B purchase	MBS6382683 is an antibody targeting IL1B. Also known as IL1B (Interleukin-1 beta, IL-1 beta, Catabolin, IL1F2) (PE). Reactive in Human, Mouse. Hos



Western Blot (WB) of anti-IL1B antibody
IL1B rabbit polyclonal antibody. Western Blot analysis of IL1B expression in mouse testis.



Western Blot (WB) of anti-IL1B antibody
Western Blot analysis of IL1B expression in transfected 293T cell line by IL1B polyclonal antibody. Lane 1: IL1B transfected lysate (30.7kD). Lane 2: Non-transfected lysate.



Testing Data of anti-IL1B antibody
Proximity Ligation Analysis (PLA) of protein-protein interactions between IL1B and A2M. HeLa cells were stained with IL1B rabbit purified polyclonal 1:1200 and A2M mouse monoclonal antibody 1:50. Signals were detected (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL1B. It may not necessarily be applicable to this product.

NCBI GI #	14250477
NCBI GeneID	3553
NCBI Accession #	AAH08678.1
UniProt Primary Accession #	P01584
UniProt Secondary Accession #	Q53X59; Q53XX2; Q7M4S7; Q7RU01; Q96HE5; Q9UCT6

UniProt Related Accession #	P01584
GenBank Nucleotide #	NM_000576
NCBI Official Full Name	Interleukin 1, beta
NCBI Official Synonym Full Names	interleukin 1, beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL-1; IL1F2; IL1-BETA
UniProt Protein Name	Interleukin-1 beta
UniProt Synonym Protein Names	Catabolin
Protein Family	Interleukin
UniProt Gene Name	IL1B
UniProt Synonym Gene Names	IL1F2; IL-1 beta
UniProt Entry Name	IL1B_HUMAN
NCBI Protein Information	interleukin-1 beta; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta
NCBI Summary for IL1B	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq, Jul 2008]
Research Articles on IL1B	**1.** IL1B may play an important role in the development of keratoconus through genetic polymorphisms.
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/polyclonal-human-mouse-antibody/il1b/6382683