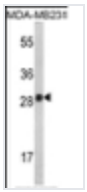
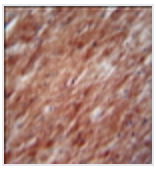
IL2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL2, Polyclonal Antibody
Full Product Name	IL2, ID (Interleukin-2, IL-2, T-cell Growth Factor, TCGF, INN=Aldesleukin, IL2) (MaxLight 405)
Product Gene Name	anti-IL2 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 MaxLight405.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human IL2.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	17,628 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (123372625..123377650, complement). Location: 4q26-q27
OMIM	147680
3D Structure	ModBase 3D Structure for P60568
Immunogen	KLH-conjugated synthetic peptide to a fragment of residues within amino acids 50-77 from the central region of human IL2. UniProt: P60568
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-IL2 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL2 antibody	FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-IL2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IL2 antibody	IL2 is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7(IL7).
Product References and Citations for anti-IL2 antibody	1. Reyes-Gibby, C.C., et.al., Cancer Epidemiol. Biomarkers Prev. 18(10), 2636-2642 (2009).
Other Notes	Small volumes of anti-IL2 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 IL2 purchase	MBS6482484 is an antibody targeting IL2. Also known as IL2, ID (Interleukin-2, IL-2, T-cell Growth Factor, TCGF, INN=Aldesleukin, IL2) (MaxLight 405). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-IL2 antibody
Western blot analysis of MDA-MB231 cell line lysates (35ug/lane) usingMBS631313. IL2 (arrow) was detected using tI7663-26C3.



Immunohistochemistry (IHC) of anti-IL2 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue using MBS631313 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IL2 Antibody (Center) for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL2. It may not necessarily be applicable to this product.

NCBI GI #	28178861
NCBI GeneID	3558
NCBI Accession #	NP_000577.2
UniProt Primary Accession #	P60568
UniProt Secondary Accession #	P01585
UniProt Related Accession #	P60568
GenBank Nucleotide #	NM_000586.3
NCBI Official Full Name	interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Official Synonym Symbols	IL-2; TCGF; lymphokine
UniProt Protein Name	Interleukin-2
UniProt Synonym Protein Names	T-cell growth factor
Protein Family	Interleukin
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; TCGF
UniProt Entry Name	IL2_HUMAN
NCBI Protein Information	interleukin-2; aldesleukin; T cell growth factor; involved in regulation of T-cell clonal expansion
NCBI Summary for IL2	The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. [provided by RefSeq, Jul 2008]

UniProt Comments for IL2	IL2: Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine- activated killer cells, natural killer cells, and glioma cells. A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17. Belongs to the IL-2 family. Protein type: Oncoprotein; Cytokine; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 4q26-q27 Cellular Component: extracellular space; extracellular region Molecular Function: growth factor activity; interleukin-2 receptor binding; kinase activator activity; cytokine activity; glycosphingolipid binding; carbohydrate binding; kappa-type opioid receptor binding Biological Process: positive regulation of isotype switching to IgG isotypes; negative regulation of heart contraction; natural killer cell activation; positive regulation of activated T cell proliferation; negative regulation of lymphocyte proliferation; elevation of cytosolic calcium ion concentration; cell-cell signaling; negative regulation of protein amino acid phosphorylation; protein kinase C activation; positive regulation of cell proliferation; positive regulation of B cell proliferation; cell adhesion; T cell differentiation; positive regulation of interleukin-17 production; regulation of T cell homeostatic proliferation; positive regulation of regulatory T cell differentiation; positive regulation of immunoglobulin secretion; positive regulation of cell growth; positive regulation of tissue remodeling; positive regulation of interferon-gamma production; positive regulation of tyrosine phosphorylation of Stat5 protein; negative regulation of inflammatory response; immune response; positive regulation of transcription from RNA polymerase II promoter; negative regulation of B cell apoptosis; positive regulation of inflammatory response; negative regulation of apoptosis
Research Articles on IL2	**1.** Intracellular expression and soluble production of interferon-(IFN)-gamma and interleukin-(IL)-2 as predictive biomarkers of acute rejection (AR) and personal drug response.
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/il2/6482484