IL-12A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL-12A p35, Polyclonal Antibody
Full Product Name	IL-12A p35 Polyclonal Antibody
Product Gene Name	anti-IL-12A antibody
Product Synonym Names	IL12A; NKSF1; Interleukin-12 subunit alpha; IL-12A; Cytotoxic lymphocyte maturation factor 35 kDa subunit; CLMF p35; IL-12 subunit p35; NK cell stimulatory factor chain 1; NKSF1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	IL-12A p35 Polyclonal Antibody detects endogenous levels of IL-12A p35 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	24,874 Da
OMIM	161560
3D Structure	ModBase 3D Structure for P29459
Immunogen	Synthesized peptide derived from the Internal region of human IL-12A p35.
Product Categories/Family for anti-IL-12A antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IL-12A antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IL-12A antibody	WB: 1:500-1:2000 ELISA: 1:20000
Related Product Information for anti-IL-12A antibody	MBS8593116 is an antibody targeting IL-12A. Also known as IL-12A p35 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-IL-12A 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-12A. It may not necessarily be applicable to this product.

NCBI GI #	24430219
NCBI GeneID	3592
NCBI Accession #	NP_000873.2

UniProt Primary Accession #	P29459
UniProt Secondary Accession #	Q96QZ1
UniProt Related Accession #	P29459
GenBank Nucleotide #	NM_000882.3
NCBI Official Full Name	interleukin-12 subunit alpha
NCBI Official Synonym Full Names	interleukin 12A
NCBI Official Symbol	IL12A
NCBI Official Synonym Symbols	P35; CLMF; NFSK; NKSF1; IL-12A
UniProt Protein Name	Interleukin-12 subunit alpha
UniProt Synonym Protein Names	Cytotoxic lymphocyte maturation factor 35 kDa subunit; CLMF p35; IL-12 subunit p35; NK cell stimulatory factor chain 1
UniProt Gene Name	IL12A
UniProt Synonym Gene Names	NKSF1; IL-12A; CLMF p35; NKSF1
UniProt Entry Name	IL12A_HUMAN
NCBI Protein Information	interleukin-12 subunit alpha; CLMF p35; IL35 subunit; IL-12, subunit p35; interleukin 12, p35; interleukin-12 alpha chain; NF cell stimulatory factor chain 1; NK cell stimulatory factor chain 1; cytotoxic lymphocyte maturation factor 1, p35; cytotoxic lym
NCBI Summary for IL-12A	This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity. [provided by RefSeq, Jul 2008]
UniProt Comments for IL-12A	IL12A: Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine- activated Killer cells, and stimulate the production of IFN-gamma by resting PBMC. Belongs to the IL-6 superfamily. Protein type: Secreted, signal peptide; Secreted; Cytokine Chromosomal Location of Human Ortholog: 3q25.33 Cellular Component: extracellular space; interleukin-12 complex; cytoplasm Molecular Function: protein binding; interleukin-27 binding; growth factor activity; interleukin-12 beta subunit binding; protein heterodimerization activity; cytokine activity; interleukin-12 receptor binding Biological Process: positive regulation of NK T cell activation; cell migration; positive regulation of cell adhesion; positive regulation of T cell mediated cytotoxicity; negative regulation of smooth muscle cell proliferation; positive regulation of natural killer cell mediated cytotoxicity directed against tumor cell target; response to virus; positive regulation of tyrosine phosphorylation of Stat4 protein; response to lipopolysaccharide; defense response to protozoan; positive regulation of natural killer cell mediated cytotoxicity; positive regulation of natural killer cell activation; response to UV-B; positive regulation of interferon-gamma production; defense response to Gram-positive bacterium; negative regulation of interleukin-17 production; positive regulation of T cell differentiation; positive regulation of mononuclear cell proliferation; positive regulation of lymphocyte proliferation; positive regulation of T cell proliferation; immune response; cell cycle arrest
Research Articles on IL-12A	**1.** circulating IL-35 in PDAC patients significantly increased, suggesting that regulating the expression of IL-35 may provide a new possible target for the treatment of PDAC patients, especially for the resectable ones.

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-antibody/il-12a-p35/8593116