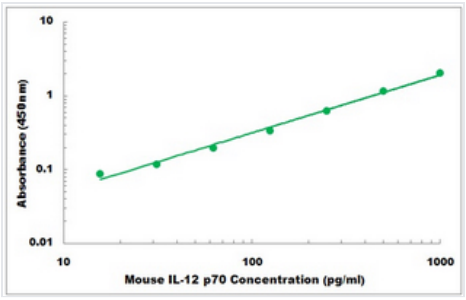
Il-12 P70 (IL12A) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	IL-12 p70 (IL12A), ELISA Kit
Full Product Name	Mouse IL-12 p70 ELISA Kit
Product Gene Name	IL12A elisa kit
Product Synonym Gene Name	IL12B
Product Synonym Names	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; NKSF2; Interleukin-12 subunit beta; IL-12B; Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40; IL-12 subunit p40; NK cell stimulatory factor chain 2; NKSF2
Species Reactivity	Mouse
Assay Type	Sandwich
Samples	Cell Culture Supernatants, Serum
Detection Range	15.6 pg/ml - 1000 pg/ml
Sensitivity	1.5 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	24,179 Da
3D Structure	ModBase 3D Structure for P43431
Detection Method	Colorimetric
Applications Tested/Suitable for IL12A elisa kit	Sandwich ELISA (SE)
Related Product Information for IL12A elisa kit	Sandwich ELISA for quantitative detection of Mouse IL-12 p70 concentrations.
Other Notes	Small volumes of IL12A elisa kit 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 IL12A purchase	MBS824801 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the IL-12 p70 (IL12A) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing IL12A. The ELISA analytical biochemical technique of the MBS824801 kit is based on IL12A antibody-IL12A antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IL12A antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IL12A. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of IL12A elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL12A. It may not necessarily be applicable to this product.

NCBI GI #	226874945
NCBI GeneID	16159
NCBI Accession #	NP_001152896.1
UniProt Primary Accession #	P43431
UniProt Secondary Accession #	P43432
UniProt Related Accession #	P43431
GenBank Nucleotide #	NM_001159424.1
NCBI Official Full Name	interleukin-12 subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 12a
NCBI Official Symbol	Il12a
NCBI Official Synonym Symbols	p35; Ll12a; Il-12a; IL-12p35
UniProt Protein Name	Interleukin-12 subunit alpha
UniProt Synonym Protein Names	Cytotoxic lymphocyte maturation factor 35 kDa subunit; CLMF p35; IL-12 subunit p35
Protein Family	Interleukin
UniProt Gene Name	Il12a
UniProt Synonym Gene Names	IL-12A; CLMF p35
UniProt Entry Name	IL12A_MOUSE
NCBI Protein Information	interleukin-12 subunit alpha; CLMF p35; IL-12 subunit p35; interleukin 12a p35 subunit; cytotoxic lymphocyte maturation factor 35 kDa subunit

UniProt Comments for IL12A	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 Cellular Component: extracellular space; interleukin-12 complex; cytoplasm; extracellular region Molecular Function: interleukin-27 binding; growth factor activity; interleukin-12 beta subunit binding; protein heterodimerization activity; cytokine activity; interleukin-12 receptor binding Biological Process: cell migration; positive regulation of NK T cell activation; positive regulation of cell adhesion; positive regulation of natural killer cell mediated cytotoxicity directed against tumor cell target; negative regulation of smooth muscle cell proliferation; positive regulation of T cell mediated cytotoxicity; positive regulation of tyrosine phosphorylation of Stat4 protein; response to lipopolysaccharide; positive regulation of natural killer cell mediated cytotoxicity; defense response to protozoan; positive regulation of natural killer cell activation; response to UV-B; positive regulation of interferon-gamma production; negative regulation of interleukin-17 production; positive regulation of T cell differentiation; positive regulation of mononuclear cell proliferation; positive regulation of lymphocyte proliferation; immune response; positive regulation of T cell proliferation; cell cycle arrest
Research Articles on IL12A	**1.** The systemic IL-10/IL-12 axis is skewed after burn injury with infection as indicated by a significant elevation in serum IL-10 and polarization of neutrophils into an anti-inflammatory IL-12-negative phenotype.
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.
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