IL-4I1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL-4I1, Polyclonal Antibody
Full Product Name	IL-4I1 Polyclonal Antibody Cy3 Conjugated
Product Gene Name	anti-IL-4I1 antibody
Product Synonym Names	LAO; FIG1; LAAO; L-amino-acid oxidase; Interleukin-4-induced protein 1; IL4-induced protein 1; Protein Fig-1; hFIG1; IL4I1; UNQ636 PRO1265
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Purity/Purification	Purified by Protein A
Concentration	1mgml (lot specific)
Preparation and Storage	Store at 4 degree C for 12 months.
Molecular Weight	62,881 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (50392911..50432796, complement). Location: 19q13.3-q13.4
OMIM	609742
3D Structure	ModBase 3D Structure for Q96RQ9
Conjugation	Cy3
Excitation Emission	512,550nm 570,615nm
Immunogen	KLH conjugated synthetic peptide aa 50-100 567 derived from human IL-4I1
Product Categories/Family for anti-IL-4I1 antibody	Conjugated Primary Antibodies
Applications Tested/Suitable for anti-IL-4I1 antibody	Immunofluorescence (IF)
Application Notes for anti-IL-4I1 antibody	IF: 1:50-200
Related Product Information for anti-IL-4I1 antibody	Lysosomal L-amino-acid oxidase with highest specific activity with phenylalanine. May play a role in lysosomal antigen processing and presentation (By similarity).
Other Notes	Small volumes of anti-IL-4I1 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 IL-4I1 purchase	MBS9461772 is an antibody targeting IL-4I1. Also known as IL-4I1 Polyclonal Antibody Cy3 Conjugated. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-4I1. It may not necessarily be applicable to this product.

NCBI GI #	384381475
NCBI GeneID	259307
NCBI Accession #	NP_001244946.1
UniProt Primary Accession #	Q96RQ9
UniProt Secondary Accession #	Q1WMJ3; Q4GZN1; Q4GZN2; Q6P2Q3; Q8TEM5; Q96RQ8
UniProt Related Accession #	Q96RQ9
GenBank Nucleotide #	NM_001258017.1
NCBI Official Full Name	L-amino-acid oxidase isoform 2
NCBI Official Synonym Full Names	interleukin 4 induced 1
NCBI Official Symbol	IL4I1
NCBI Official Synonym Symbols	LAO; FIG1; LAAO
UniProt Protein Name	L-amino-acid oxidase
UniProt Synonym Protein Names	Interleukin-4-induced protein 1; IL4-induced protein 1; Protein Fig-1
UniProt Gene Name	IL4I1
UniProt Synonym Gene Names	FIG1; LAAO; LAO; IL4-induced protein 1; hFIG1
UniProt Entry Name	OXLA_HUMAN
NCBI Protein Information	L-amino-acid oxidase; Fig-1 protein; IL4-induced protein 1; interleukin four induced 1
NCBI Summary for IL-4I1	This gene encodes a protein with limited similarity to L-amino acid oxidase which contains the conserved amino acids thought to be involved in catalysis and binding of flavin adenine dinucleotide (FAD) cofactor. The expression of this gene can be induced by interleukin 4 in B cells, however, expression of transcripts containing the first two exons of the upstream gene is found in other cell types. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
UniProt Comments for IL-4I1	IL4I1: Lysosomal L-amino-acid oxidase with highest specific activity with phenylalanine. May play a role in lysosomal antigen processing and presentation. Belongs to the flavin monoamine oxidase family. FIG1 subfamily. 2 isoforms of the human protein are produced by alternative promoter. Protein type: Amino Acid Metabolism - phenylalanine; Amino Acid Metabolism - phenylalanine, tyrosine and tryptophan biosynthesis; Amino Acid Metabolism - valine, leucine and isoleucine degradation; Oxidoreductase; Amino Acid Metabolism - cysteine and methionine; Amino Acid Metabolism - alanine, aspartate and glutamate; EC 1.4.3.2; Secreted; Amino Acid Metabolism - tyrosine; Amino Acid Metabolism - tryptophan; Secreted, signal peptide Chromosomal Location of Human Ortholog: 19q13.3-q13.4 Cellular Component: lysosome; extracellular region Molecular Function: L-amino-acid oxidase activity
Research Articles on IL-4I1	**1.** participates in the downregulation of Th1 inflammation
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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