



# IL-4I1 Monoclonal Antibody

<b>Catalog No</b>	BYmab-15938
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	IL4I1
<b>Protein Name</b>	L-amino-acid oxidase
<b>Immunogen</b>	Synthesized peptide derived from the N-terminal region of human IL-4I1.
<b>Specificity</b>	IL-4I1 Monoclonal Antibody detects endogenous levels of IL-4I1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	IL4I1; FIG1; L-amino-acid oxidase; LAAO; LAO; Interleukin-4-induced protein 1; IL4-induced protein 1; Protein Fig-1; hFIG1
<b>Observed Band</b>	60kD
<b>Cell Pathway</b>	Secreted . Lysosome . Cytoplasmic vesicle, secretory vesicle, acrosome . Secreted at the immunological synapse. .
<b>Tissue Specificity</b>	Primarily found in immune tissues, with the highest expression in lymph nodes and spleen (PubMed:12031486, PubMed:12446450). Present in germinal center macrophages and inflammatory myeloid cells and antigen-presenting cells (at protein level) (PubMed:17356132). Also present in spermatozoa (at protein level) (PubMed:25767141). Highly expressed in primary mediastinal large B-cell lymphoma, a specific subtype of diffuse large B-cell lymphoma (PubMed:12446450). Expressed by neoplastic cells of several B-cell lymphomas and by tumor-associated macrophages (PubMed:19436310).
<b>Function</b>	catalytic activity:An L-amino acid + H(2)O + O(2) = a 2-oxo acid + NH(3) + H(2)O(2).,cofactor:FAD.,function:Lysosomal L-amino-acid oxidase with highest specific activity with phenylalanine. May play a role in lysosomal antigen processing and presentation.,induction:By interleukin-4.,similarity:Belongs to the flavin monoamine oxidase family. FIG1 subfamily.,tissue specificity:Primarily

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found in immune tissues (isoform 1).,

**Background**

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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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