

MAL polyclonal antibody

Catalog # PAB7300 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of MAL.
Immunogen	A synthetic peptide corresponding to human MAL.
Sequence	C-QDGFTYRHYHEN
Host	Goat
Theoretical MW (kDa)	16.7, 12.1, 10.6
Specificity	This antibody is expected to recognize isoform a (NP_002362.1) and isoform c (NP_071884.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:4000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAL

Entrez GeneID [4118](#)

Protein Accession# [NP_002362.1;NP_071884.1](#)

Gene Name MAL

Gene Alias -

Gene Description mal, T-cell differentiation protein

Omim ID [188860](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a highly hydrophobic integral membrane protein belonging to the MAL family of proteolipids. The protein has been localized to the endoplasmic reticulum of T-cells and is a candidate linker protein in T-cell signal transduction. In addition, this proteolipid is localized in compact myelin of cells in the nervous system and has been implicated in myelin biogenesis and/or function. The protein plays a role in the formation, stabilization and maintenance of glycosphingolipid-enriched membrane microdomains. Alternative splicing produces four transcript variants which vary from each other by the presence or absence of alternatively spliced exons 2 and 3. [provided by RefSeq]

Other Designations T-cell differentiation protein MAL|T-lymphocyte maturation-associated protein|myelin and lymphocyte protein

Publication Reference

- [A Mal functional variant is associated with protection against invasive pneumococcal disease, bacteremia, malaria and tuberculosis.](#)

Khor CC, Chapman SJ, Vannberg FO, Dunne A, Murphy C, Ling EY, Frodsham AJ, Walley AJ, Kyrieleis O, Khan A, Aucan C, Segal S, Moore CE, Knox K, Campbell SJ, Lienhardt C, Scott A, Aaby P, Sow OY, Grignani RT, Sillah J, Sirugo G, Peshu N, Williams TN, Maitland K, Davies RJ, Kwiatkowski DP, Day NP, Yala D, Crook DW, Marsh K, Berkley JA, O'Neill LA, Hill AV.

Nature Genetics 2007 Feb; 39(4):523.

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