



Mouse Anti-Human MAL monoclonal antibody, clone F-2 (CABT-L1168)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Human MAL
Immunogen	This antibody was raised against amino acids 61-130 mapping within an internal region of MAL of human origin
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	F-2
Conjugate	Unconjugated
Applications	WB, IP, IF, IHC-P, ELISA
Molecular Weight	17kDa
Positive Control	SUP-T1 whole cell lysate or MOLT-4 cell lysate
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	PBS with 0.1% gelatin
Preservative	0.1% Sodium Azide

Storage

Store at 4°C. DO NOT FREEZE. Stable for one year from the date of shipment.

BACKGROUND

Introduction

MAL (myelin and lymphocyte protein), also known as T lymphocyte maturation-associated protein, is a nonglycosylated hydrophobic integral membrane protein belonging to the MAL family of proteolipids. MAL is highly enriched in nervous system myelin and in rafts and apical membranes of epithelial cells. It is involved in forming, stabilizing and maintaining glycosphingolipid-enriched membrane microdomains. MAL maintains the myelin sheath and, by controlling the sorting and trafficking of oligodendrocytes, it is involved in central nervous system paranode maintenance. MAL is a component of lipid rafts in myelinating cells. Association with glycosphingolipids may result in protein-lipid microdomain formation in myelin. MAL has been localized to the endoplasmic reticulum of T cells and in compact myelin of cells in the nervous system. MAL is primarily expressed by oligodendrocytes and Schwann cells in the intermediate and late stages of T cell differentiation.

Keywords

MAL; mal, T-cell differentiation protein; myelin and lymphocyte protein; T-cell differentiation protein MAL; T-lymphocyte maturation-associated protein

GENE INFORMATION

Entrez Gene ID

[4118](#)

UniProt ID

[A0A024RE19](#)
