TMLHE mouse monoclonal antibody (hybridoma)

Catalog # H00055217-M Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant TMLHE.
Immunogen	TMLHE (AAH25269.1, 1 a.a. ~ 376 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MWYHRLSHLHSRLQDLLKGGVIYPALPQPNFKSLLPLAVHWHHTASKSLTCAWQQHEDHFELKY ANTVMRFDYVWLRDHCRSASCYNSKTHQRSLDTASVDLCIKPKTIRLDETTLFFTWPDGHVTKYD LNWLVKNSYEGQKQKVIQPRILWNAEIYQQAQVPSVDCQSFLETNEGLKKFLQNFLLYGIAFVENV PPTQEHTEKLAERISLIRETIYGRMWYFTSDFSRGDTAYTKLALDRHTDTTYFQEPCGIQVFHCLKH EGTGGRTLLVDGFYAAEQVLQKAPEEFELLSKVPLKHEYIEDVGECHNHMIGIGPVLNIYPWNKEL YLIRLFKEKQNTVNRQWNSSLQCDIPERILTYRHFVSGTSIEHRGSLI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (80)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — TMLHE

Entrez GeneID	55217
GeneBank Accession#	BC025269.1
Protein Accession#	AAH25269.1
Gene Name	TMLHE
Gene Alias	BBOX2, FLJ10727, TMLH, XAP130
Gene Description	trimethyllysine hydroxylase, epsilon
Gene Ontology	Hyperlink
Gene Summary	Epsilon-N-trimethyllysine hydroxylase (EC 1.14.11.8) catalyzes the conversion of epsilon-N-trimethyllysine to beta-hydroxy-N-epsilon-trimethyllysine in the first step of L-carnitine biosynthesis (Vaz et al., 2001 [PubMed 11431483]).[supplied by OMIM
Other Designations	OTTHUMP00000024255|butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 2|epsilon-trimethyllysine 2-oxoglutarate|epsilon-trimethyllysine hydroxylase

Pathway

- Lysine degradation