



Mouse anti-Human CTSE monoclonal antibody, clone 3E6 (CABT-B10049)

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

PRODUCT INFORMATION

Immunogen	CTSE (AAH42537, 18 a.a. ~ 397 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3E6
Conjugate	Unconjugated
Applications	WB, sELISA, ELISA
Sequence Similarities	Q GSLHRVPLRRHPTLKKKL RARSQ LSEFWKSHNLD MIQFTESCSMDQSAKEPLINYLDME YFGTISIGSPPQNFTVIFDTGSSNLWVPSVYCTSPACKTHSRFQPSQSSTYSQPGQSFSI QYGTGSLSGIIGADQVSVEGLTVVGQQFGESVTEPGQTLVDAEFDGILGLGYP SLAVGGV TPVFDNMMAQNLVDLPMFSVYMSSNPEGGAGSELIFGGYDHSHFSGSLNWVPTKQAYWQ IALDNIQVGGTVMFC
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction

The protein encoded by this gene is a gastric aspartyl protease that functions as a disulfide-linked homodimer. This protease, which is a member of the peptidase C1 family, has a specificity similar to that of pepsin A and cathepsin D. It is an intracellular proteinase that does not appear to be involved in the digestion of dietary protein and is found in highest concentration in the surface of epithelial mucus-producing cells of the stomach. It is the first aspartic proteinase expressed in the fetal stomach and is found in more than half of gastric cancers. It appears, therefore, to be an oncofetal antigen. Transcript variants utilizing alternative polyadenylation signals and two transcript variants encoding different isoforms exist for this gene. [provided by RefSeq, Jul 2008]

Keywords

CTSE; cathepsin E; CATE; slow-moving proteinase; erythrocyte membrane aspartic proteinase;

GENE INFORMATION

Entrez Gene ID

[1510](#)

UniProt ID

[P14091](#)

Pathway

Lysosome, organism-specific biosystem; Lysosome, conserved biosystem

Function

aspartic-type endopeptidase activity; peptidase activity