



Mouse anti-Human CTSC monoclonal antibody, clone 08b7 (CABT-B10048)

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

PRODUCT INFORMATION

Immunogen	Recombinant protein corresponding to full length human CTSC.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	08b7
Conjugate	Unconjugated
Applications	WB,ELISA
Format	Liquid
Size	200 µg
Buffer	In citrate-Tris-HCl, pH 7.0 (0.02% Proclin 300)
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in immune/inflammatory cells. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor, and a residual portion of the
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propeptide acts as an intramolecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been shown to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Keywords	CTSC; cathepsin C; JP; HMS; JPD; PLS; CPPI; DPP1; DPPI; PALS; DPP-I; PDON1; dipeptidyl peptidase 1; cathepsin J; dipeptidyl peptidase I; dipeptidyl transferase; dipeptidyl-peptidase I;
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GENE INFORMATION

Entrez Gene ID	1075
UniProt ID	Q2HIY8
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem
Function	chloride ion binding; cysteine-type endopeptidase activity; identical protein binding; peptidase activity; protein self-association
