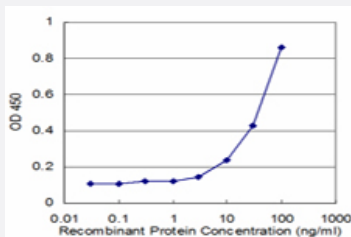


CTSK monoclonal antibody (M03), clone 1B11

Catalog # H00001513-M03

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CTSK is approximately 3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CTSK.
Immunogen	CTSK (AAH16058, 220 a.a. ~ 329 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KCRGYREIPEGNEKALKRAVARVGPVSVAIDASLTSFQFYSGVYYDESCNSDNLNHAVLAVGYGI QKGNKHWIKNWGENWGNKGYILMARNKNNACGIANLASFPKM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (87)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CTSK is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CTSK

Entrez GeneID [1513](#)

GeneBank Accession# [BC016058](#)

Protein Accession# [AAH16058](#)

Gene Name CTSK

Gene Alias CTS02, CTSO, CTSO1, CTSO2, MGC23107, PKND, PYCD

Gene Description cathepsin K

Omim ID [265800 601105](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fraction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this gene are the cause of pycnodysostosis, an autosomal recessive disease characterized by osteosclerosis and short stature. This gene may be subject to RNA editing. [provided by RefSeq]

Other Designations OTTHUMP00000032938|cathepsin O1|cathepsin O2|cathepsin X

Pathway

- [Lysosome](#)

Disease

- [Alzheimer disease](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)