

CTSZ mouse monoclonal antibody (hybridoma)

Catalog # H00001522-M

Size Up to 5 Clones

Specification

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| Product Description | Mouse monoclonal antibody raised against a full-length recombinant CTSZ. |
| Immunogen | CTSZ (NP_001327.2, 1 a.a. ~ 303 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | MARRGPGWRPLLLLVLLAGAAQGGLYFRRGQTCYRPLRGDGLAPLGRSTYPRPHEYLSPADLPK SWDWRNVDGVNYASITRNQHIPPQYCGSCWAHASTSAMADRINIKRGAWPSTLLSVQNVIDCGN AGSCEGGNDLSVWDYAHQHGPDETCNNYQAKDQECDKFNQCGTCNEFKECHAIRNYTLWRVG DYGSLSGREKMMAEIYANGPISCGIMATERLANYTGGIYAEYQDDTTYINHVVSVAGWGISDGTEYWIV RNSWGEPWGERGWLRIVTSTYKDGKGARYNLAIEEHCTFGDPV |
| Host | Mouse |
| Reactivity | Human |
| Interspecies Antigen Sequence | Mouse (86); Rat (87) |
| 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 — CTSZ

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|---------------------|--|
| Entrez GeneID | 1522 |
| GeneBank Accession# | NM_001336.2 |
| Protein Accession# | NP_001327.2 |
| Gene Name | CTSZ |
| Gene Alias | CTSX, FLJ17088 |
| Gene Description | cathepsin Z |
| Omim ID | 603169 |
| Gene Ontology | Hyperlink |
| Gene Summary | The protein encoded by this gene is a lysosomal cysteine proteinase and member of the peptidase C1 family. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. The encoded protein has also been known as cathepsin X and cathepsin P. This gene is expressed ubiquitously in cancer cell lines and primary tumors and, like other members of this family, may be involved in tumorigenesis. [provided by RefSeq] |
| Other Designations | OTTHUMP00000031409 cathepsin X preprocathepsin P |

Pathway

- [Lysosome](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Tuberculosis](#)