

Store at  
-20°C

#46362

# Mouse Heart Tissue Control Extracts

100 µl



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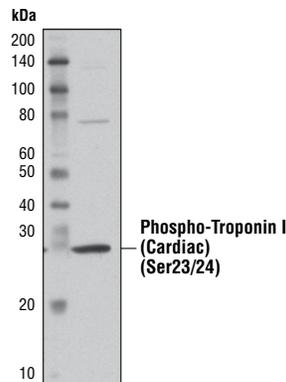
**For Research Use Only. Not For Use In Diagnostic Procedures.**

**Description:** The extract is prepared from whole heart tissue of adult mice, and is intended for use as a positive control in western blotting applications. The protein concentration is 2 mg/ml.

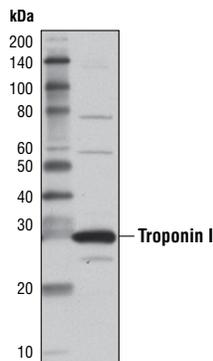
The extract was prepared from whole tissue by homogenization in 1X RIPA buffer (#9806, 10X) (20 mM Tris-HCl pH 7.5, 150 mM NaCl, 1% NP-40, 1% sodium deoxycholate, 1 mM sodium EDTA, 1 mM EGTA, 1 µg/ml leupeptin, 1 mM β-glycerophosphate, 1 mM sodium orthovanadate, 2.5 mM sodium pyrophosphate), 1 mM PMSF (#8553, 34.84 mg), 1X Protease/Phosphatase Inhibitor Cocktail (#5872, 100X).

The extract was subsequently sonicated and insoluble cell debris removed by centrifugation. The extract was then boiled for 5 min in 1X SDS sample buffer + DTT (#7722, Blue Loading Buffer Pack) (62.5 mM Tris-HCl pH 6.8, 10% glycerol, 2% SDS, 0.01% bromophenol blue, 42 mM DTT) to denature the proteins.

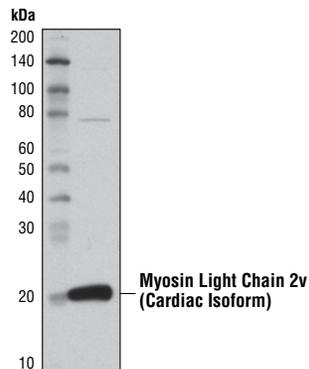
**Directions for Use:** CST recommends loading 10-20 µl extract per mini-gel lane. Boil for 2 minutes prior to use.



Western blot analysis of Mouse Heart Tissue Control Extracts using Phospho-Troponin I (Cardiac) (Ser23/24) Antibody #4004.



Western blot analysis of Mouse Heart Tissue Control Extracts using Troponin I Antibody #4002.



Western blot analysis of Mouse Heart Tissue Control Extracts using Myosin Light Chain 2v (D511C) (Cardiac Isoform) Rabbit mAb (Rodent Specific) #12975.

**Storage:** Supplied in SDS Sample Buffer. Store at -20°C, or at -80°C for long-term storage.

**For product specific protocols and a complete listing of recommended companion products please see the product web page at [www.cellsignal.com](http://www.cellsignal.com)**

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**Applications:** W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide **Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.