# Rat Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8) ELISA Kit | MYH8 elisa kit

Rat Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8) ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA136001** | **Rat** |

## PRODUCT SYNONYMS

Myosin Heavy Chain 8; Skeletal Muscle; Perinatal (MYH8); Rat Myosin Heavy Chain 8; Perinatal (MYH8) ELISA Kit; MyHC-peri; MyHC-pn; MyHC-perinatal; Myosin heavy chain; skeletal muscle; perinatal; MYH8 elisa kit

## PRODUCT SPECIFICATIONS

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| **Reactivity** | Rat |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8).<br>No significant cross-reactivity or interference between Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8) and analogues was observed. |
| **Sequence Length** | 1937 |
| **Assay Type** | Double-antibody Sandwich |
| **Samples** | Serum, Plasma and other biological fluids |
| **Detection Range** | 62.50-4000pg/mL |
| **Sensitivity** | 24.8pg/mL |
| **Application** | Enzyme-linked immunosorbent assay for Antigen Detection. |
| **Intra-assay Precision (Precision within an assay)** | 3 samples with low, middle and high level Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8) were tested 20 times on one plate, respectively. |
| **Inter-assay Precision (Precision between assays)** | 3 samples with low, middle and high level Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8) were tested on 3 different plates, 8 replicates in each plate. |
| **CV(%) =** | SD/meanX100 |
| **Intra-Assay** | CV<10% |
| **Inter-Assay** | CV<12% |
| **Preparation and Storage** | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

## IMAGES

**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for MYH8 elisa kit** | The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Myosin Heavy Chain 8, Skeletal Muscle, Perinatal (MYH8) in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| **Product Categories/Family for MYH8 elisa kit** | Metabolic pathway |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 153945790 |
| **NCBI GeneID** | 4626 |
| **NCBI Accession #** | NP_002463.2 |
| **NCBI GenBank Nucleotide #** | NM_002472.2 |
| **Molecular Weight** | 222,763 Da |
| **NCBI Official Full Name** | myosin-8 |
| **NCBI Official Synonym Full Names** | myosin, heavy chain 8, skeletal muscle, perinatal |
| **NCBI Official Symbol** | MYH8 |
| **NCBI Official Synonym Symbols** | DA7; MyHC-pn; gtMHC-F; MyHC-peri |
| **NCBI Protein Information** | myosin-8 |
| **UniProt Protein Name** | Myosin-8 |
| **UniProt Gene Name** | **MYH8** |
| **UniProt Synonym Gene Names** | MyHC-perinatal |
| **UniProt Entry Name** | MYH8_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/rat-elisa-kits/myosin-heavy-chain-8-skeletal-muscle-perinatal-myh8/136001