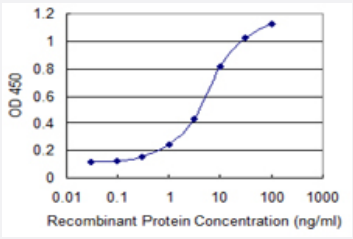
# MRPS36 monoclonal antibody (M01), clone 3E11

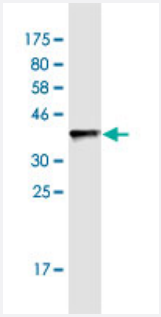
Catalog # H00092259-M01 Size 100 ug

## Applications




### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MRPS36 is 0.1 ng/ml as a capture antibody.




Western Blot detection against Immunogen (37.9 KDa) .

## Specification

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| **Product Description** | Mouse monoclonal antibody raised against a full-length recombinant MRPS36. |
| **Immunogen** | MRPS36 (NP_150597.1, 1 a.a. ~ 103 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Sequence** | MMGSKMASASRVVQVVKPHTPLIRFPDRRDNPKPNVSEALRSAGLPSHSSVISQHSKGSKSPDLLMYQGPPDTAEIIKTLPQKYRRKLVSQEEMEFIQRGGPE |
| **Host** | Mouse |
| **Reactivity** | Human |

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|---|---|
| **Interspecies Antigen Sequence** | Mouse (84); Rat (82) |
| **Isotype** | IgG2a Kappa |
| **Quality Control Testing** | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.9 KDa) . |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged MRPS36 is 0.1 ng/ml as a capture antibody.

  Protocol Download

- ELISA

## Gene Info — MRPS36

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|---|---|
| **Entrez GeneID** | 92259 |
| **GeneBank Accession#** | NM_033281.5 |
| **Protein Accession#** | NP_150597.1 |
| **Gene Name** | MRPS36 |
| **Gene Alias** | DC47, MGC22896, MRP-S36 |
| **Gene Description** | mitochondrial ribosomal protein S36 |
| **Gene Ontology** | Hyperlink |

| | |
|---|---|
| **Gene Summary** | Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein s ynthesis within the mitochondrion. The mitochondrial ribosome (mitoribosome) consists of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition c ompared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mam malian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among diff erent species, the proteins comprising the mitoribosome differ greatly in sequence, and sometim es in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein. Pseudogenes corresponding to this gene are found on chromoso mes 3p, 4q, 8p, 11q, 12q, and 20p. [provided by RefSeq |
| **Other Designations** | - |