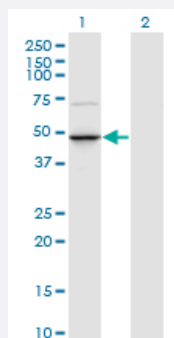


# TRNT1 monoclonal antibody (M01), clone 1G11

Catalog # H00051095-M01

Size 100 ug

## Applications

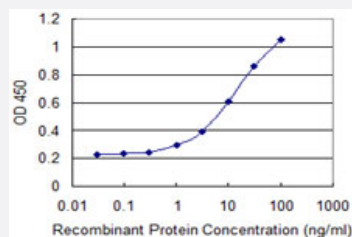


### Western Blot (Transfected lysate)

Western Blot analysis of TRNT1 expression in transfected 293T cell line by TRNT1 monoclonal antibody (M01), clone 1G11.

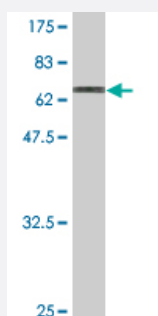
Lane 1: TRNT1 transfected lysate (Predicted MW: 46.4 kDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TRNT1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (70.29 kDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full-length recombinant TRNT1.

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>                     | TRNT1 (AAH12537, 1 a.a. ~ 405 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                                                                  |
| <b>Sequence</b>                      | MKLQSPEFQSLFTEGLKSLTELFVKENHELRIAGGAVRDLLNGVKPQDIDFATTATPTQMKEMFQ<br>SAGIRMINNRGEKHGTITARLHEENFEITTLRIDVTTDGRHAEVEFTTDWQKDAERRDLTINSMFLGF<br>DGTLFDYFNGYEDLKNKKVRFVGHAKQRIQEDYLRILRYFRFYGRIVDKPGDHPETLEAIAENAKG<br>LAGISGERIWVELKKILVGNHVNHLIHLIDLDVAPYIGLPANASLEEFDKVSKNVDGFSPKPVTLA<br>SLFKVQDDVTKLRLKIAKEEKNLGLFVKNRDKLIKATDSSDPLKPYQDFIDSREPDATTRVCEL<br>LKYQGEHCLLKEMQQWSIPFPVSGHDIRKVGISGKEIGALLQQLREQWKKSGYQMEKDELLSYI<br>KKT |
| <b>Host</b>                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Interspecies Antigen Sequence</b> | Mouse (94)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Isotype</b>                       | IgG2b Kappa                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (70.29 KDa) .                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                             |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of TRNT1 expression in transfected 293T cell line by TRNT1 monoclonal antibody (M01), clone 1G11.

Lane 1: TRNT1 transfected lysate (Predicted MW: 46.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TRNT1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — TRNT1

**Entrez GeneID** [51095](#)**GeneBank Accession#** [BC012537](#)**Protein Accession#** [AAH12537](#)**Gene Name** TRNT1**Gene Alias** CCA1, CGI-47, MtCCA**Gene Description** tRNA nucleotidyl transferase, CCA-adding, 1**Gene Ontology** [Hyperlink](#)

**Gene Summary** The CCA-adding enzyme TRNT1 (EC 2.7.7.25) is an essential enzyme that catalyzes the addition of the CCA terminus to the 3-prime end of tRNA precursors. This reaction is a fundamental prerequisite for mature tRNAs to become aminoacylated and to participate in protein biosynthesis (Lizano et al., 2007 [PubMed 17204286]).[supplied by OMIM]

**Other Designations** mitochondrial CCA-adding tRNA-nucleotidyltransferase