

Mouse anti Trx-Tag mAb

Catalog No.: AE023

1 Publications

Basic Information

Observed MW

Refer to Figures

Calculated MW

Category

Tag antibody

Applications

WB, ELISA

Cross-Reactivity

Species independent

CloneNo number

AMC0511

Background

Thioredoxin is a class of small redox proteins known to be present in all organisms. It plays a role in many important biological processes, including redox signaling. In humans, thioredoxins are encoded by TXN and TXN2 genes. Loss-of-function mutation of either of the two human thioredoxin genes is lethal at the four-cell stage of the developing embryo. Although not entirely understood, thioredoxin plays a central role in humans and is increasingly linked to medicine through their response to reactive oxygen species (ROS). In plants, thioredoxins regulate a spectrum of critical functions, ranging from photosynthesis to growth, flowering and the development and germination of seeds. It has also recently been found to play a role in cell-to-cell communication.

Recommended Dilutions

WB 1:2000 - 1:5000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

TRX; TRX tag; TRX-tag

Contact

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Product Information

Source

Mouse

Isotype

IgG1

Purification

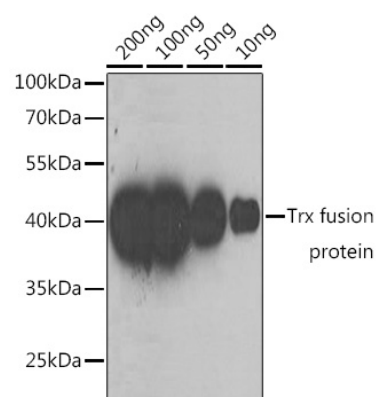
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of over-expressed Trx fusion protein using Mouse anti Trx-Tag mAb (AE023) at 1:5000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Blocking buffer: 3% nonfat dry milk in TBST.