

High-quality research tools for studying oxidative stress and cellular redox systems.

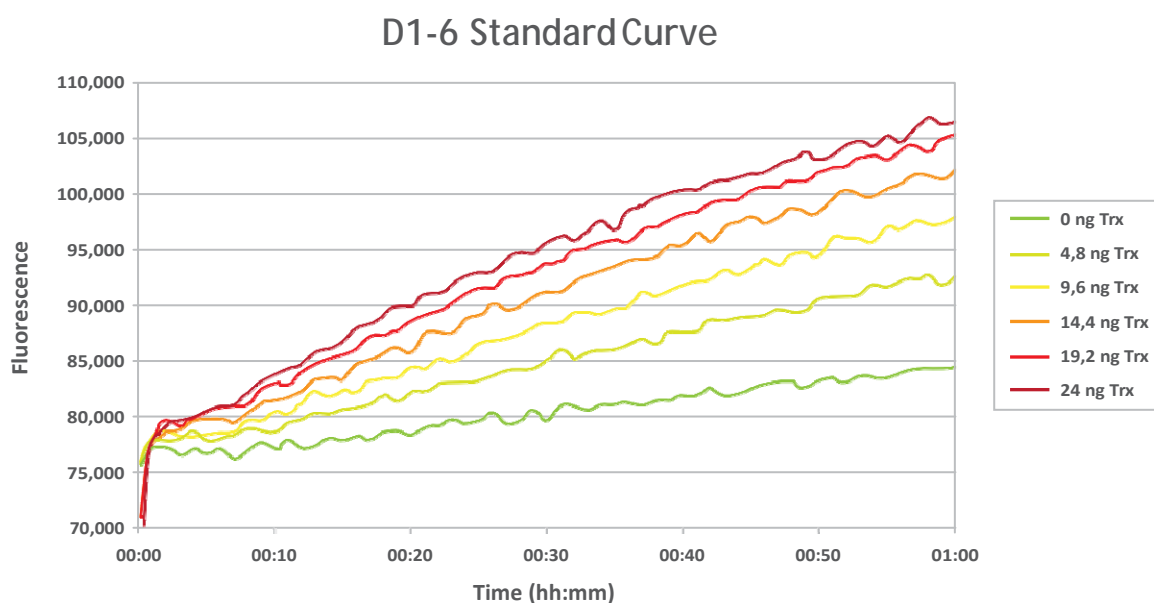
IMCO Corporation is the expert in thioredoxin and glutaredoxin systems, offering pure and active thioredoxin, thioredoxin reductase, and glutaredoxin enzymes. IMCO products are offered as native recombinant proteins including active selenocysteine-containing thioredoxin reductase at competitive prices, resulting in the best quality/price ratio in the field. These enzymes are paired with high-quality substrates to provide researchers with ready-to-use activity assays.

Cayman Chemical is a worldwide distributor of IMCO products. Assays, enzymes, and antibodies can be purchased at www.caymanchem.com.

Assays

Thioredoxin (Trx) Activity Assays

The Thioredoxin Activity Fluorescent V2 Assay Kit uses fluorescence to measure active Trx in microtiter plates (see standard curve below).



Standard curve produced using Thioredoxin Activity Fluorescent V2 Assay Kit with purified hTrx-1

Additional Assays Available

- Thioredoxin Activity Fluorescent Assay Kit
- Thioredoxin Reductase Fluorescent Activity Assay Kit
- Thioredoxin/Thioredoxin Reductase Mammalian Assay Kit

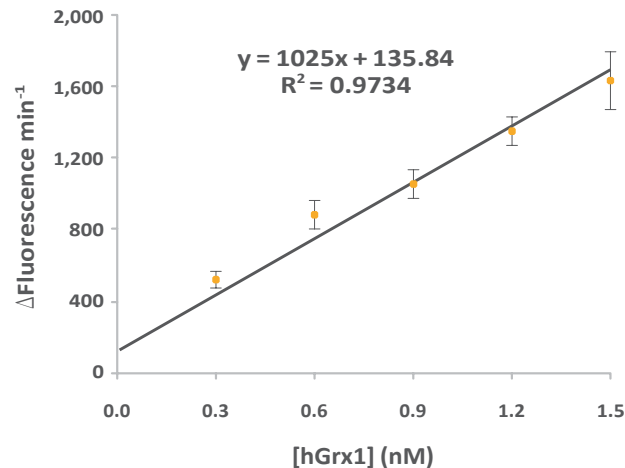
For a full list of thioredoxin assay kits and substrates, please visit www.caymanchem.com.

Assays con't

Glutaredoxin (Grx) Activity

The Glutaredoxin Fluorescent Activity Assay Kit uses fluorescence to monitor eosin-GSH released from a mixed disulfide complex with albumin (see standard curve below). This kit offers the sensitivity needed to measure Grx1 in 20 or 40 µl of plasma.

A standard curve for hGrx-1 using eosin-GSH-labeled albumin



Standard curve produced Glutaredoxin Fluorescent Activity Assay Kit with purified hGrx-1

For a full list of glutaredoxin assays and substrates, please visit www.caymanchem.com.

Enzymes and Antibodies

Purified Enzymes and Antibodies Available:

- **Thioredoxin Family:**

- Thioredoxin 1 (human recombinant)
- Thioredoxin 1 (mouse recombinant)
- Thioredoxin 1 Truncated (human recombinant)
- Thioredoxin 1 from *E. coli* (oxidized form)
- Thioredoxin Reductase from *E. coli*
- Thioredoxin 1 Polyclonal & Monoclonal Antibodies

Thioredoxin reductase1 from rat recombinant with selenocysteine and fully active and at the best price in the market!

See more at: www.imcocorp.se

- **Glutaredoxin Family:**

- Glutaredoxin 1 (human recombinant)
- Glutaredoxin 2 (human recombinant)
- Glutaredoxin 1 from (*E. coli*)*
- Glutaredoxin 1 Polyclonal Antibodies
- Glutaredoxin 2 Polyclonal Antibody

**also available from E. coli (mutant C14S)*