

## Product datasheet for **TA347066**

### TXNRD2 Mouse Monoclonal Antibody [Clone ID: 3F2-E12-F10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3F2-E12-F10
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for TXNRD2 antibody: purified recombinant human TXNRD2 protein fragments expressed in E.coli.
Formulation:	ascites
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	thioredoxin reductase 2
Database Link:	<a href="#">NP_006431</a> <a href="#">Entrez Gene 10587 Human</a> <a href="#">Q9NNW7</a>
Background:	Thioredoxin reductase (TR) is a dimeric NADPH-dependent FAD containing enzyme that catalyzes the reduction of the active site disulfide of thioredoxin and other substrates. TR is a member of a family of pyridine nucleotide-disulfide oxidoreductases and is a key enzyme in the regulation of the intracellular redox environment. Three thioredoxin reductase genes have been found that encode selenocysteine containing proteins. This gene partially overlaps the COMT gene on chromosome 22.
Synonyms:	SELZ; TR; TR-BETA; TR3; TRXR2
Protein Families:	Druggable Genome



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Protein Pathways:      Pyrimidine metabolism