

Thioredoxin (2C9) Monoclonal Antibody

Product Specifications

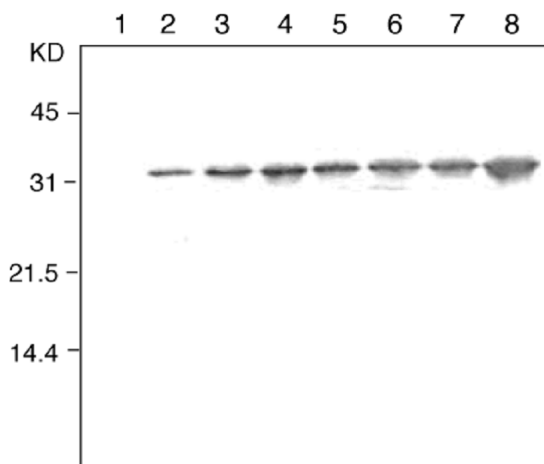
Catalog Number:	MSA-150
Host:	Mouse
Isotype:	IgG _{1κ}
Species Reactivity:	<i>E. coli</i> Trx and Trx-tag fusion proteins
Applications: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB: 1 µg/mL (ECL)
Predicted m.w.:	<i>Proteins fused with Trx typically exhibit an increase in molecular weight of ~12 kDa.</i>
Concentration:	See product label
Purification:	Protein A Affinity
Format:	PBS, 50% glycerol
Storage: <i>Shipping conditions may differ from the recommended storage temperature</i>	Store at -20°C
Immunogen:	<i>E. coli</i> Thioredoxin (TrxA) protein
Related Products:	
SAB-100	Goat anti-Mouse IgG (Fab) Polyclonal Antibody, HRP Conjugate
MSA-106	HA-tag Polyclonal Antibody
MSA-110	Myc-tag Monoclonal Antibody (PL14)
MSA-115	VSV-G-tag Polyclonal Antibody

Background:

Several plasmid expression vectors have been constructed that direct the synthesis of foreign polypeptides in *E. coli* as fusions with C-terminal Thioredoxin (TrxA) to offer soluble expression of normally insoluble or difficult to express proteins¹. When expressed as C-terminal TrxA fusion proteins, a number of mammalian cytokines and growth factors stayed remarkably soluble in *E. coli* under certain conditions.

References:

1. LaVallie, E.R., et al. (1993) *Bio/Technology* **11**, 187-193.



Western blot analysis of Thioredoxin fusion protein expressed cell lysate after no induction (1), or induction for 30 min (2), 60 min (3), 90 min (4), 120 min (5), 150 min (6), 180 min (7), 210 min (8)

FOR RESEARCH USE ONLY; NOT FOR THERAPEUTIC OR DIAGNOSTIC USE