



Mouse Anti-Human TRX1/Thioredoxin-1 monoclonal antibody, clone 28S7 (CABT-L6569Z)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This monoclonal antibody enables specific detection of human Thioredoxin-1 (Trx1) in ELISA and Western blot.
Specificity	Native and recombinant human Thioredoxin-1 (Trx1). The antibody detects reduced and oxidized forms of Trx1. Cross-reacts with Trx1 from cow.
Immunogen	Recombinant human Thioredoxin-1
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	28S7
Purification	Protein G purified
Conjugate	Unconjugated
Applications	WB, ELISA, ELISA(Cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-L6569Z - CABT-L6570Z Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Format	Liquid
Concentration	Lot specific
Size	250ug
Buffer	PBS with 0.02% sodium azide.
Preservative	0.02% sodium azide
Storage	Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/thawing
Ship	Wet ice

BACKGROUND

Introduction	Thioredoxin-1 (Trx1) is an oxidoreductase protein and thus may act as an anti-oxidant by facilitating the reduction of cysteine residues of other proteins. Besides keeping the intracellular milieu in a reduced state and being involved in the defence against oxidative stress, thioredoxin-1 specifically regulates several transcription factors and receptors. Increased plasma levels of thioredoxin-1 has been associated with several psychiatric disorders.
Keywords	Thioredoxin-1, Trx1, TRDX, TRX, TRX1, Trx80