

## Anti-Thioredoxin 2/TXN2 Antibody Picoband® (monoclonal, 4H3) FITC Conjugated

Catalog Number: M04586-2-FITC

### About TXN2

Thioredoxin, mitochondrial also known as thioredoxin-2 is a protein that in humans is encoded by the TXN2 gene on chromosome 22. It is mapped to 22q12.3. This nuclear gene encodes a mitochondrial member of the thioredoxin family, a group of small multifunctional redox-active proteins. The encoded protein may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis.

### Overview

Product Name	Anti-Thioredoxin 2/TXN2 Antibody Picoband® (monoclonal, 4H3) FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Monoclonal 4H3
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	Q99757

### Technical Details

Immunogen	E.coli-derived human Thioredoxin 2/TXN2 recombinant protein (Position: T60-G166).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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