

Datasheet

TXNRD2 monoclonal antibody (M01), clone 3A7-F1

Catalog Number: H00010587-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant TXNRD2.

Clone Name: 3A7-F1

Immunogen: TXNRD2 (AAH07489, 1 a.a. ~ 428 a.a)
full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MHQAALLGGLIQDAPNYGWEVAQPVPHDWRKMAEAV
QNHVKSLNWGHRVQLQDRKVYFNIKASFVDEHTVC
GVAKGGKEILLSADHIIATGGRPRYPHTIEGALEYGITS
DDIFWLKESPGKTLVVGASYVALECAGFLTIGLDTTIM
MRSIPLRGFDQQMSSMVIEWMASHGTRFLRGCAPSR
VRRLPDGQLRVTWEDSTTGKEDTGTFDTVLWAIGRVP
DTRSLNLEKAGVDTSPDTQKILVDSREATSVPHIYAIGD
VVEGRPELTPIAIMAGRLLVQRLFGGSSDLMDYDNVPT
TVFTPLEYGCYGLSEEEAVARHGQEHVEVYHAHYKPL
EFTVAGRNASQCYVKMVCLREPPQLVLGLHFLGPNAG
EVTQGFALGIKCGASYAQMRTVGIHPTCSEEVVKLRI
SKRSGLDPTVTGC*G

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10587

Gene Symbol: TXNRD2

Gene Alias: SELZ, TR, TR-BETA, TR3, TRXR2

Gene Summary: 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. [provided by RefSeq]