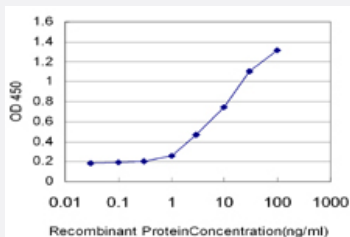


PRDX5 monoclonal antibody (M01), clone 3E6

Catalog # H00025824-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRDX5 is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PRDX5.
Immunogen	PRDX5 (NP_036226, 105 a.a. ~ 214 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LPGFVEQAEALKAKGVQVVACLSVNDAFVTGEWGRAHKAEGKVRLADPTGAFGKETDLLDD SLVSIFGNRRLKRFSMVVQDGMKALNVEPDGTGLTCSLAPNIISQL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (79)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRDX5 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PRDX5

Entrez GeneID	25824
GeneBank Accession#	NM_012094
Protein Accession#	NP_036226
Gene Name	PRDX5
Gene Alias	ACR1, AOEB166, B166, MGC117264, MGC142283, MGC142285, PLP, PMP20, PRDX6, PRX V, SBB110
Gene Description	peroxiredoxin 5
Omim ID	606583
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. This protein interacts with peroxisome receptor 1. The crystal structure of this protein in its reduced form has been resolved to 1.5 angstrom resolution. This gene uses alternate in-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]
Other Designations	Alu co-repressor 1 TPx type VI antioxidant enzyme B166 liver tissue 2D-page spot 71B peroxisomal antioxidant enzyme thioredoxin peroxidase PMP20

Disease

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- [Alzheimer disease](#)

- [Autoimmune Diseases](#)
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