

For Research Use Only

# GLRX3 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86587-1-PBS



## Basic Information

Catalog Number:	86587-1-PBS	GenBank Accession Number:	BC014372	Purification Method:
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenelD (NCBI):	10539	CloneNo.:
Source:	Rabbit	UNIPROT ID:	076003	251530F9
Isotype:	IgG	Full Name:	glutaredoxin 3	
Immunogen Catalog Number:	AG1775	Calculated MW:	37 kDa	
		Observed MW:	37-40 kDa	

## Applications

### Tested Applications:

WB, Cytometric bead array, Indirect ELISA

### Species Specificity:

human, mouse, rat

## Product Information

86587-1-PBS targets GLRX3 as part of a matched antibody pair.

MPO2531-1: 86587-1-PBS capture and 86587-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

GLRX3(Glutaredoxin-3) is also named as PICOT, TXNL2. Mammalian glutaredoxin 3 is an essential protein involved in the regulation of signal transduction, for instance during immune cell activation and development of cardiac hypertrophy, presumably in response to redox signals(PMID:20226171). Glrx3 could take a pivotal role in colon and lung cancer cells during the tumorigenesis, which is expressed in lung and colon cancers consistently and preferentially(PMID:19797004).

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

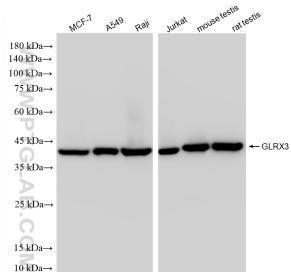
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

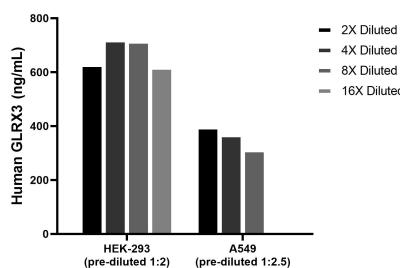
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

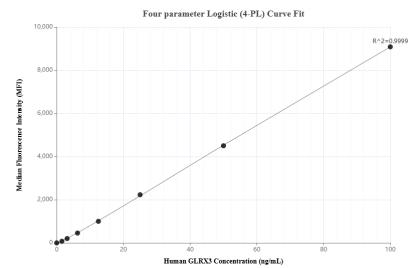
## Selected Validation Data



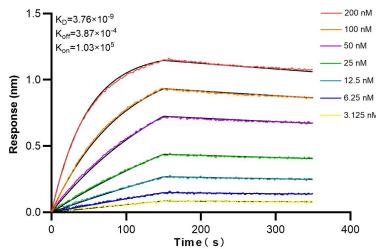
Various lysates were subjected to SDS PAGE followed by western blot with 86587-1-RR (GLRX3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86587-1-PBS in a different storage buffer formulation.



The mean GLRX3 concentration was determined to be 669.5 ng/mL in HEK-293 cell extract based on a 1.1 mg/mL extract load, 358.1 ng/mL in A549 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP02531-1, GLRX3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86587-1-PBS. Detection antibody: 86587-2-PBS. Standard: Ag1775. Range: 1.562-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 86587-1-RR against Human GLRX3 were performed. The affinity constant is 3.76 nM.