

## Datasheet: HCA054A

<b>Description:</b>	HUMAN ANTI GST
<b>Specificity:</b>	GST
<b>Other names:</b>	GLUTATHIONE-S-TRANSFERASE
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD03937
<b>Isotype:</b>	HuCAL Fab bivalent
<b>Quantity:</b>	50 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			1/100 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Product Form

A bivalent human recombinant Fab selected from the HuCAL® GOLD phage display library. Expressed in E. coli and purified using NiNTA affinity chromatography. This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain.

### Preparation

Metal chelate affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.01% Thiomersal

### Approx. Protein Concentrations

IgG concentration 0.5 mg/ml

### Immunogen

Recombinant Glutathione-S-transferase.

RRID AB\_915272

**Specificity** **Human anti GST antibody, clone AbD03937** detects glutathione-S-transferase (GST), a family of cytosolic dimeric isoenzymes that play an important role in detoxification by catalyzing the conjugation of reduced glutathione to a myriad of hydrophobic and electrophilic compounds. GSTs may also bind toxins and function as transport proteins.

Mammalian GSTs are ~45–55 kDa in size and are assigned to at least four generic classes: Alpha, Mu, Pi and Theta. The amino acid sequence GST is highly conserved in most organisms, including mammals.

GST is a commonly used tag in protein expression systems.

**Storage** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee** 12 months from date of despatch

**Acknowledgements** Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.  
His-tag is a registered trademark of EMD Biosciences.

**Health And Safety Information** Material Safety Datasheet documentation #10094 available at:  
10094: <https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf>

**Licensed Use** For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.

**Regulatory** For research purposes only

**Technical Advice** Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

## Related Products

### Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Goat Anti Human IgG F(ab')<sub>2</sub> (0500-0099...) [HRP](#)

Mouse Anti Human C-MYC (MCA2200...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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