

## 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

### Source

*E.coli*

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

### Approx. Protein Concentrations

IgG concentration 0.5 mg/ml

<b>Immunogen</b>	Recombinant Glutathione-S-transferase.
<b>RRID</b>	AB_915272
<b>Specificity</b>	<p><b>Human anti GST antibody, clone AbD03937</b> 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.</p> <p>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.</p> <p>GST is a commonly used tag in protein expression systems.</p>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	<p>This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See <a href="http://bio-rad.com/en-us/trademarks">bio-rad.com/en-us/trademarks</a> for details.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA054A">https://www.bio-rad-antibodies.com/SDS/HCA054A</a></p> <p>10040</p>
<b>Licensed Use</b>	For <i>in vitro</i> . research purposes only, unless otherwise specified in writing by Bio-Rad.
<b>Regulatory</b>	For research purposes only
<b>Technical Advice</b>	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the <a href="#">HuCAL Antibodies Technical Manual</a> .

## Related Products

### Recommended Secondary Antibodies

Goat Anti Human IgG F(ab') <sub>2</sub> (0500-0099...)	<a href="#">HRP</a>
Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...)	<a href="#">HRP</a>
Mouse Anti Human C-MYC (MCA2200...)	<a href="#">HRP</a>

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)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> 'M428278:240301'	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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