

Datasheet: VMA00364

Description:	MOUSE ANTI GLUTATHIONE SYNTHETASE
Specificity:	GLUTATHIONE SYNTHETASE
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI2F2
Isotype:	IgG1
Quantity:	100 µl

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.

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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography from ascites.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin
50% Glycerol

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Full length recombinant human glutathione synthetase (NP_000169) produced in HEK293T cells
External Database Links	<p>UniProt: P48637 Related reagents</p> <p>Entrez Gene: 2937 GSS Related reagents</p>
Specificity	<p>Mouse anti Human glutathione synthetase antibody, clone OTI2F2 recognizes glutathione synthetase, also known as GSH synthetase, GSS, GSH-S, epididymis secretory sperm binding protein Li 64p and epididymis secretory sperm binding protein Li 88n.</p> <p>Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. Encoded by the GSS gene, glutathione synthetase functions as a homodimer to catalyze the second step of glutathione biosynthesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione. Defects in GSS are a cause of glutathione synthetase deficiency (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human glutathione synthetase antibody detects a band of 52 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti glutathione synthetase detects a band of approximately 52 kDa in HeLa cell lysates.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/VMA00364 Antibody (10048)
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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