

Datasheet: MCA6027

Description:	MOUSE ANTI SUPEROXIDE DISMUTASE (Mn)
Specificity:	SUPEROXIDE DISMUTASE (Mn)
Other names:	SOD2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2A1
Isotype:	IgG1
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1 ug/ml

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.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	HEPES buffered saline
Preservative Stabilisers	0.03% Sodium Azide (NaN ₃) 0.01% Bovine Serum Albumin 50% Glycerol
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant human protein purified from <i>E.coli</i>
External Database Links	UniProt: P04179 Related reagents

Entrez Gene:[6648](#) [SOD2](#) [Related reagents](#)

Specificity	Mouse anti superoxidase dismutase (Mn), clone 2A1 , recognizes superoxide dismutase 2 (Mn) also known as superoxide dismutase 2 (SOD2). SOD2 is an anti oxidant enzyme involved in the body's defense against reactive oxygen species. Superoxide dismutases destroy damaging free radicals that are produced within cells and are toxic to biological systems.
Western Blotting	Mouse anti superoxide dismutase (Mn) recognizes a band of approximately 23 kDa in HeLa and HepG2 cell lysates and mouse and rat brain tissue lysates
Storage	Store at -20°C only. 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
Health And Safety Information	Material Safety Datasheet documentation #10088 available at: 10088: https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

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

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