

Datasheet: VMA00598

Description:	MOUSE ANTI ERCC1
Specificity:	ERCC1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OT11H1
Isotype:	IgG2a
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: Rat

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 on Protein A from ascites.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

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

Immunogen HEK293-derived full length recombinant human ERCC1

External Database

Links

UniProt:

[P07992](#)

[Related reagents](#)

Entrez Gene:

[2067](#)

ERCC1

[Related reagents](#)

Specificity

Mouse anti Human ERCC1 antibody recognizes the DNA excision repair protein ERCC-1, also known as excision repair cross-complementing rodent repair deficiency complementation group 1.

The product of ERCC1 functions in the nucleotide excision repair pathway, and is required for the repair of DNA lesions such as those induced by UV light or formed by electrophilic compounds including cisplatin. The encoded protein forms a heterodimer with the XPF endonuclease (also known as ERCC4), and the heterodimeric endonuclease catalyzes the 5' incision in the process of excising the DNA lesion. The heterodimeric endonuclease is also involved in recombinational DNA repair and in the repair of inter-strand crosslinks. Mutations in ERCC1 result in cerebrooculofacioskeletal syndrome, and polymorphisms that alter expression of ERCC1 may play a role in carcinogenesis. Multiple transcript variants encoding different isoforms have been found for ERCC1. The last exon of ERCC1 overlaps with the CD3e molecule, epsilon associated protein gene on the opposite strand (provided by RefSeq, Oct 2009).

Mouse anti Human ERCC1 antibody detects a band of 39 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Mouse anti ERCC1 antibody detects a band of approximately 39 kDa in MCF7 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: Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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

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