

Datasheet: VMA00109

Description:	MOUSE ANTI AKR1A1
Specificity:	AKR1A1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI9F1
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
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 (NaN ₃). 1% Bovine Serum Albumin. 50% Glycerol.
Immunogen	Full length recombinant human AKR1A1 (NP_006057) produced in HEK293T cells
External Database Links	UniProt: P14550 Related reagents

Entrez Gene:[10327](#) AKR1A1 [Related reagents](#)

Synonyms ALDR1, ALR

Specificity **Mouse anti Human AKR1A1 antibody** recognizes AKR1A1, also known as HEL-S-165mP, alcohol dehydrogenase, alcohol dehydrogenase [NADP(+)], aldehyde reductase, aldo-keto reductase family 1 member A1, dihydrodiol dehydrogenase 3, epididymis secretory protein Li 6 and epididymis secretory sperm binding protein Li 165mP.

The AKR1A1 gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Multiple alternatively spliced transcript variants of AKR1A1 exist, all encoding the same protein (provided by RefSeq, Jan 2011).

Mouse anti Human AKR1A1 antibody detects a band of 38 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti AKR1A1 detects a band of approximately 38 kDa in LNCaP 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 \(MCA929\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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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](https://www.bio-rad-antibodies.com/datasheets)

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