

## Datasheet: VMA00334

<b>Description:</b>	MOUSE ANTI AKR1C1
<b>Specificity:</b>	AKR1C1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CPTC4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

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

**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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml.
<b>Immunogen</b>	Recombinant human AKR1C1

**External Database  
Links**

**UniProt:**

[Q04828](#)   [Related reagents](#)

**Entrez Gene:**

[1645](#)   AKR1C1   [Related reagents](#)

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**Synonyms**

DDH, DDH1

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**Specificity**

**Mouse anti Human AKR1C1 antibody** detects the aldo-keto reductase family 1 member C1, also known as 20-alpha-hydroxysteroid dehydrogenase (20-alpha-HSD), chlordecone reductase homolog HAKRC and high-affinity hepatic bile acid-binding protein (HBAB). Encoded by the AKR1C1 gene, aldo-keto reductase family 1 member C1 is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. Aldo-keto reductase family 1 member C1 catalyzes the reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. In the liver and intestine, it may have a role in the transport of bile, monitoring the intrahepatic bile acid concentration.

Mouse anti Human AKR1C1 antibody detects a band of 36 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti AKR1C1 detects a band of approximately 36 kDa in A549 cell lysates.

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee**

12 months from date of despatch.

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00334>  
Antibody (10040)

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**Regulatory**

For research purposes only.

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## 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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