

Datasheet: VMA00334

**BATCH NUMBER 151215**

|                      |                        |
|----------------------|------------------------|
| <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  |

**Immunogen** Recombinant human AKR1C1

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**External Database**

**Links**

**UniProt:**

[Q04828](#)

[Related reagents](#)

**Entrez Gene:**

[1645](#)

AKR1C1

[Related reagents](#)

**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](#)

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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)  
'M370104:200529'

**Printed on 10 Apr 2024**

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