

## Datasheet: PBP012

<b>Description:</b>	NATIVE BOVINE CARBONIC ANHYDRASE
<b>Name:</b>	CARBONIC ANHYDRASE
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	250 mg

## 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
ELISA	▪			

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.

<b>Target Species</b>	Bovine
<b>Product Form</b>	Purified protein from bovine erythrocytes - liquid
<b>Preparation</b>	0.75g protein/g (1 unit as described above is equivalent to approximately 2000 Wilbur Anderson units [J. Biol. Chem. (1948) 176:147])
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Total protein concentration 200mg/ml.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P00921</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">280740</a> CA2   <a href="#">Related reagents</a></p>
<b>Product Information</b>	<b>Native Bovine Carbonic Anhydrase</b> is a zinc-containing enzyme that acts as a catalyst in the conversion of carbon dioxide to bicarbonate.
<b>Protein Molecular Weight</b>	30 kDa
<b>Activity</b>	700 U/g

1 unit hydrolyses 1  $\mu$ mole of p-nitrophenyl acetate per minute at pH 7.6 / 25°C

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**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.

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**Shelf Life** 12 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10078 available at <https://www.bio-rad-antibodies.com/uploads/MSDS/10078.pdf>

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**Regulatory** For research purposes only

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'M298908:161212'

**Printed on 06 Jun 2017**

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