

Datasheet: 9400-1502

**BATCH NUMBER 180123**

<b>Description:</b>	NATIVE BOVINE UBIQUITIN
<b>Name:</b>	UBIQUITIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	25 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 - lyophilized
<b>Reconstitution</b>	Reconstitute with 25 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	1.0 mg/ml after reconstitution
<b>External Database Links</b>	<b>UniProt:</b> <a href="https://www.uniprot.org/uniprot/P62990">P62990</a> <a href="#">Related reagents</a>

**Product Information** Ubiquitin is a protein modifier that is covalently linked to target lysines and functions in

protein degradation.

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<b>Protein Molecular Weight</b>	8,500
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<b>Purity</b>	>98% by SDS PAGE
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<b>ELISA</b>	9400-1502 may be used as a standard in an indirect ELISA with <a href="#">9400-0409G</a> .
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<b>References</b>	<ol style="list-style-type: none"><li>1. Wilkinson, K.D. &amp; Audhya, T.K. (1981) Stimulation of ATP-dependent proteolysis requires ubiquitin with the COOH-terminal sequence Arg-Gly-Gly. <a href="#">J Biol Chem. 256 (17): 9235-41.</a></li><li>2. Levinger, L. &amp; Varshavsky, A. (1982) Selective arrangement of ubiquitinated and D1 protein-containing nucleosomes within the Drosophila genome. <a href="#">Cell. 28 (2): 375-85.</a></li><li>3. Yang, C.S. <i>et al.</i> (2017) Ubiquitin Modification by the E3 Ligase/ADP-Ribosyltransferase Dtx3L/Parp9. <a href="#">Mol Cell. 66 (4): 503-516.e5.</a></li></ol>
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Ciechanover, A. <i>et al.</i> (1984) The ubiquitin-mediated proteolytic pathway and mechanisms of energy-dependent intracellular protein degradation. <a href="#">J Cell Biochem. 24 (1): 27-53.</a></li><li>2. Haas, A.L. &amp; Bright, P.M. (1985) The immunochemical detection and quantitation of intracellular ubiquitin-protein conjugates. <a href="#">J Biol Chem. 260 (23): 12464-73.</a></li></ol>
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<b>Storage</b>	<p>Prior to reconstitution store at +4°C. After reconstitution store at -20°C. 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.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10268 available at: <a href="https://www.bio-rad-antibodies.com/SDS/9400-1502">https://www.bio-rad-antibodies.com/SDS/9400-1502</a> 10268
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<b>Regulatory</b>	For research purposes only
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