

Datasheet: 2485-4906

BATCH NUMBER 151143

Description:	SHEEP ANTI YEAST CYTOSINE DEAMINASE
Specificity:	CYTOSINE DEAMINASE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

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
ELISA	▪			1/500 - 1/2500
Western Blotting	▪			1/100 - 1/500

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.

Target Species	Yeast
Product Form	Purified Ig - liquid
Preparation	Purified Ig prepared by affinity chromatography on Protein G
Antiserum Preparation	Antisera to cytosine deaminase were raised by repeated immunisations sheep of with highly purified antigen.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Ig concentration 5mg/ml
Immunogen	Purified yeast cytosine deaminase.

External Database Links	UniProt: Q12178 Related reagents
RRID	AB_618795
Specificity	Sheep anti cytosine deaminase antibody recognizes cytosine deaminase, also known as cytosine aminohydrolase. Cytosine deaminase is a 158 amino acid ~18 kDa enzyme involved in the conversion of cytosine to uracil. Sheep anti Human cytosine deaminase antibody recognizes the native antigen in ELISA and has been successfully used for detection of the enzyme by western blotting (Fuerer and Iggo 2004).
Western Blotting	In Western blot two bands were visualised by ECL at 13kD and 17kD.
References	<ol style="list-style-type: none"> 1. Fuerer, C. <i>et al.</i> (2004) 5-Fluorocytosine increases the toxicity of Wnt-targeting replicating adenoviruses that express cytosine deaminase as a late gene. Gene Ther. 11: 142-51 2. Hammer, K. <i>et al.</i> (2015) Engineered adenoviruses combine enhanced oncolysis with improved virus production by mesenchymal stromal carrier cells. Int J Cancer. 137 (4): 978-90. 3. Amon, A. <i>et al.</i> (2008) Methods and Composition for Diagnosing and Treating Cancer US patent application US 11/767,200 4. Pan, X. <i>et al.</i> (2003) Adenovirus-mediated gene transfer in the treatment of pancreatic cancer. Pancreas. 26: 274-8. 5. Conrad, C. <i>et al.</i> (2005) Δ24-hyCD adenovirus suppresses glioma growth <i>in vivo</i> by combining oncolysis and chemosensitization. Cancer Gene Ther. 12: 284-94. 6. Michnick, S.W. <i>et al.</i> (2010) A toolkit of protein-fragment complementation assays for studying and dissecting large-scale and dynamic protein-protein interactions in living cells. Methods Enzymol. 470: 335-68. 7. Komissarov, A. <i>et al.</i> (2017) Cytotoxic effect of co-expression of human hepatitis A virus 3C protease and bifunctional suicide protein FCU1 genes in a bicistronic vector. Mol Biol Rep. 44 (4): 323-32. 8. Hanauer, J.R.H. <i>et al.</i> (2019) High-affinity DARPIn allows targeting of measles virus to glioblastoma multiforme in combination with protease targeting without loss of potency. Molecular Therapy - Oncolytics. 14. Oct [Epub ahead of print].
Storage	Store at +4°C or at -20°C if preferred. 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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/2485-4906 10040

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

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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
'M363049:200528'

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