

Datasheet: 9344-9979G

Description:	SHEEP ANTI MUSHROOM TYROSINASE
Specificity:	TYROSINASE
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 - 1/5000
Western Blotting	▪			

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	Fungal
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5mg/ml
Immunogen	Purified native mushroom tyrosinase
External Database Links	UniProt: O42713 Related reagents

Specificity	Sheep anti Mushroom tyrosinase antibody recognizes mushroom tyrosinase, also known as 5,6-dihydroxyindole-2-carboxylic acid oxidase, DHICA oxidase, Glycoprotein 75, Melanoma antigen gp75, Tyrosinase-related protein 1 or TRP-1. Tyrosinase is widely distributed in both animals and plants, it is a copper containing oxidase involved in the biosynthesis of melanin in mammals and is involved in fruit browning reactions (Thalmann and Lötzbeyer 2002). In man, mutations in the TYRP1 gene can lead to the development of Albinism, oculocutaneous, 3 (OCA3), a condition characterized by reduced deposition of melanin in the skin, hair and eyes.
ELISA	In a simple ELISA with 1 µg of antigen coated per well, the 50% OD was observed at 1/20,000. Under the same conditions, the end point was observed at >1/400,000. Alkaline phosphatase conjugated anti-sheep was used for detection. All incubations at 18°C using pNPP substrate, with OD measurements at 405 nm.
References	1. Lezzi, C. <i>et al.</i> (2012) Production of recombinant <i>Agaricus bisporus</i> tyrosinase in <i>Saccharomyces cerevisiae</i> cells. J Ind Microbiol Biotechnol. 39 (12): 1875-80.
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	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [HRP](#)

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