

Datasheet: 4890-0004P

Description:	SHEEP ANTI HUMAN HAPTOGLOBIN:HRP
Specificity:	HAPTOGLOBIN
Format:	HRP
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	▪			1/100 - 1/1000

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 the appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to Haptoglobin were raised by repeated immunisations of sheep with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Native, purified human haptoglobin from serum.
External Database Links	UniProt: P00738 Related reagents

Entrez Gene:[3240](#) HP [Related reagents](#)

RRID AB_2120087

Specificity **Sheep anti Human Haptoglobin antibody** detects haptoglobin, also known as Hp, an acute phase plasma glycoprotein synthesized by the liver in response to infection or inflammation. Haptoglobin binds haemoglobin released by erythrocytes with high affinity, and functions to block the oxidative activity of haemoglobin and prevent renal damage. The haptoglobin-haemoglobin complex is rapidly removed from the circulation by monocytes and macrophages, via the receptor CD163.

The haptoglobin genotype is an independent risk factor for cardiovascular disease ([Levy et al. 2002](#)).

-
- References**
1. Carter, K. & Worwood, M. (2007) Haptoglobin: a review of the major allele frequencies worldwide and their association with diseases. [Int J Lab Hematol. 29 \(2\): 92-110.](#)
 2. Guetta, J. *et al.* (2007) Haptoglobin genotype modulates the balance of Th1/Th2 cytokines produced by macrophages exposed to free hemoglobin. [Atherosclerosis. 191: 48-53.](#)
 3. Araki, H. *et al.* (2015) Haptoglobin promoter polymorphism rs5472 as a prognostic biomarker for peptide vaccine efficacy in castration-resistant prostate cancer patients. [Cancer Immunol Immunother. 64 \(12\): 1565-73.](#)
 4. Soejima, M. *et al.* (2014) Genetic factors associated with serum haptoglobin level in a Japanese population. [Clin Chim Acta. 433: 54-7.](#)
-

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/4890-0004P>
10094

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)
[TMB CORE+ \(BUF062A\)](#)
[TMB SIGNAL+ \(BUF054A\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M420397:230706'

Printed on 12 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)