

Datasheet: AHP1501

Description:	GOAT ANTI HUMAN CD44v3-v10
Specificity:	CD44v3-v10
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen	■			50ug/ml
Immunohistology - Paraffin (1)	■			20ug/ml
ELISA			■	
Immunoprecipitation			■	
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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - liquid

Antiserum Preparation Antiserum to human CD44v3-v10 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human CD44v3-v10
External Database Links	UniProt:

Entrez Gene:

[960](#) CD44 [Related reagents](#)

Synonyms	LHR, MDU2, MDU3, MIC4
Specificity	Goat anti Human CD44v3-v10 antibody recognizes epitopes encoded by exons v3-v10 on the variant portion of human CD44. CD44 is a ubiquitously expressed type 1 transmembrane glycoprotein and proteoglycan, otherwise known as phagocytic glycoprotein 1 (pgp 1), acting as a receptor for the major extracellular matrix component hyaluronate, and also binds other ligands including collagen and matrix metalloproteinases (Miletti-González et al. 2012). CD44 plays a role in cell-cell interactions, cell adhesion, the activation and homing of lymphocytes, cell migration, haematopoiesis and metastasis, and exists as a number of isoforms generated by the alternative RNA splicing of at least 10 variant exons (Tanabe et al. 1993).
Histology Positive Control Tissue	Breast carcinoma and colon adenocarcinoma
References	1. Zhang D <i>et al.</i> (2015) Screening and Identification of a Phage Display Derived Peptide That Specifically Binds to the CD44 Protein Region Encoded by Variable Exons. J Biomol Screen. pii: 1087057115608604 .
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.
Shelf Life	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 Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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

Printed on 01 Aug 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)