

Datasheet: AHP1071

Description:	GOAT ANTI HUMAN CD156b (C-TERMINAL)
Specificity:	CD156b (C-TERMINAL)
Other names:	ADAM-17, TACE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 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			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/32000
Immunoprecipitation			▪	
Western Blotting	▪			0.2ug/ml
Functional Assays			▪	

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	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with:Chicken, Hamster, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to CD156b were raised by repeated immunisations of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Immunogen	Peptide with sequence LQRQNRVDSKETEC from the C-terminus of CD156b.
External Database	UniProt:

Links

[P78536](#) [Related reagents](#)

Entrez Gene:

[6868](#) ADAM17 [Related reagents](#)

Synonyms

CSVP, TACE

Specificity

Goat anti Human CD156b antibody detects an epitope within the C-terminus of isoform 1 of CD156b, a ~125 kDa type I transmembrane glycoprotein which belongs to the ADAM (a disintegrin and metalloprotease domain) family. CD156b functions as a tumour necrosis factor-alpha converting enzyme (TACE). CD156b also causes a number of inflammatory modulators to undergo ectodomain shedding, including TNFR75, IL-1RII, TNFR55, L-selectin, and the amyloid precursor protein among others. CD156b plays a prominent role in the activation of the Notch signalling pathway.

ADAM17 plays a pivotal role in several acquired tumor cell capabilities by mediating the availability of soluble transforming growth factor-alpha, and establishing an autocrine signaling pathway through endogenous EGFR activation. CD156b is therefore a prospective therapeutic target in human cancer.

Western Blotting

AHP1071 detects a band of approximately 125-130kDa in HeLa, Jurkat and U937 cell lysates.

References

1. Walcheck, B. *et al.* (2006) ADAM17 activity during human neutrophil activation and apoptosis. [Eur J Immunol. 36 \(4\): 968-76.](#)
2. Del Cacho, E. *et al.* (2009) Avian follicular and interdigitating dendritic cells: isolation and morphologic, phenotypic, and functional analyses. [Vet Immunol Immunopathol. 129: 66-75.](#)

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 #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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

'M313609:180328'

Printed on 25 May 2018

