

Datasheet for ABIN7600945
anti-ADAM28 antibody (AA 26-195)



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Overview

Quantity:	100 µg
Target:	ADAM28
Binding Specificity:	AA 26-195
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAM28 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Adam28 Antibody Picoband®
Immunogen:	E.coli-derived rat Adam28 recombinant protein (Position: K26-K195).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Adam28 Antibody Picoband® (ABIN7600945). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ADAM28
Alternative Name:	ADAM28 (ADAM28 Products)
Background:	Synonyms: Disintegrin and metalloproteinase domain-containing protein 28,ADAM 28,3.4.24.-,Epididymal metalloproteinase-like, disintegrin-like, and cysteine-rich protein II,eMDC II,Metalloproteinase-like, disintegrin-like, and cysteine-rich protein L,MDC-L,ADAM28,ADAM23, MDCL, Tissue Specificity: Expressed predominantly in secondary lymphoid tissues, such as lymph node, spleen, small intestine, stomach, colon, appendix and trachea. The lymphocyte population is responsible for expression of this protein in these tissues. Isoform 2 is expressed preferentially in spleen. Background: Disintegrin and metalloproteinase domain-containing protein 28 is an enzyme that in humans is encoded by the ADAM28 gene. This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene is a lymphocyte-expressed ADAM protein. And this gene is present in a gene cluster with other members of the ADAM family on chromosome 8. Alternative splicing results in multiple transcript variants.
Molecular Weight:	87 kDa
Gene ID:	290344

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Mouse ELISA, 0.1-0.5 µg/mL, 1. Bates, E. E. M., Fridman, W. H., Mueller, C. G. F. The ADAMDEC1 (decysin) gene structure: evolution by duplication in a metalloprotease gene cluster on chromosome 8p12. Immunogenetics 54: 96-105, 2002. 2. Bridges, L. C., Tani, P. H., Hanson, K. R., Roberts, C. M., Judkins, M. B., Bowditch, R. D. The lymphocyte metalloprotease MDC-L (ADAM28) is a ligand for the integrin alpha-4/beta-1. J. Biol. Chem. 277: 3784-3792, 2002. 3. Jury, J. A., Perry, A. C. F., Hall, L. Identification, sequence analysis and expression of transcripts encoding a putative metalloproteinase, eMDC II, in human and macaque epididymis. Molec. Hum. Reprod. 5: 1127-
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Application Details

1134, 1999.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.