

Datasheet for 200-901-X69

ADAMTSL5 Antibody**Overview**

Description:	Anti-ADAMTSL5 (CHICKEN) Antibody - 200-901-X69
Item No.:	200-901-X69
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Chicken

Product Details

Background:	ADAMTSL5 belongs to a large superfamily containing 20 ADAMTS proteases and at least eight ADAMTS-like proteins. ADAMTS proteases are secreted enzymes with a conserved organization that includes a metalloprotease domain and an ancillary domain containing one or more thrombospondin type 1 repeats (TSR). The ADAMTS-like subfamily comprises proteins homologous to the ADAMTS ancillary domains but lacking the protease domain and hence lacking catalytic activity. The exact role of ADAMTSL5 is currently unknown, but other ADAMTS-like proteins appear to have regulatory roles in the extracellular matrix.
Synonyms:	ADAMTSL5 Antibody, THSD6, THSD6, ADAMTS-like protein 5, Thrombospondin type-1 domain-containing protein 6, ADAMTSL-5
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	ADAMTSL5
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ADAMTSL5 antibody was prepared from chicken egg fractions produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human ADAMTSL5.

Purity/Specificity: Anti-ADAMTSL5 Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. Cross reactivity with ADAMTSL5 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q6ZMM2](#)
- [GeneID - 339366](#)
- [NCBI - NP_998769](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-ADAMTSL5 Antibody has been tested for use in ELISA, Immunofluorescence, Immunohistochemistry and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at 53 and 30 kDa in size corresponding to the molecular weight of the ADAMTSL5 protein by Western Blotting in the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

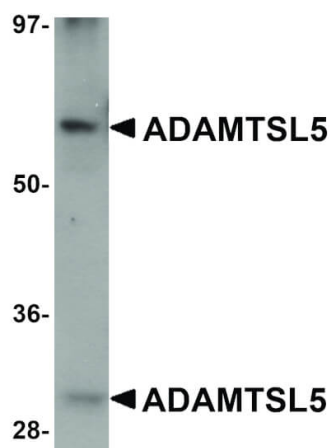
Shipping & Handling

Shipping Condition: Wet Ice

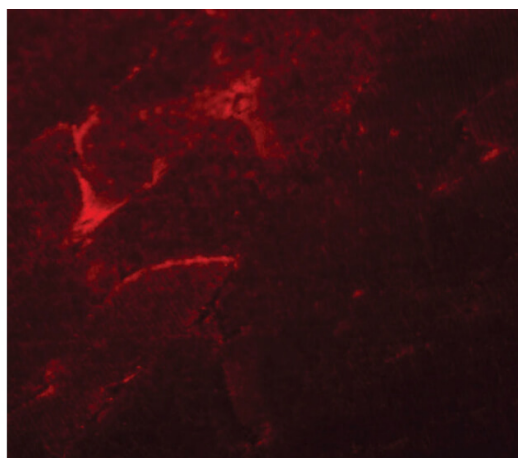
Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration:

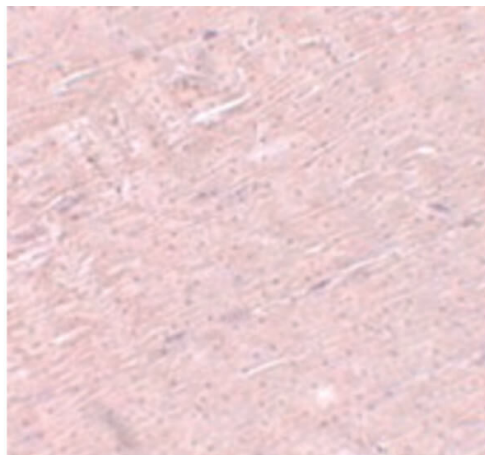
Expiration date is one (1) year from date of receipt.

Images**Western Blot**

Western Blot of ADAMTSL5 antibody. Lane 1: Human skeletal muscle tissue lysate with ADAMTSL5 antibody at 1 µg/mL. Secondary antibody: Peroxidase chicken secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 53 and 30 kDa, 58 and 30 kDa for ADAMTSL5. Other band(s): ADAMTSL5 splice variants and isoforms.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of ADAMTSL5 antibody. Tissue: Mouse skeletal muscle tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: ADAMTSL5 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein chicken secondary antibody at 1:10,000 for 45 min at RT. Localization: ADAMTSL5 is secreted into the extracellular space. Staining: ADAMTSL5 as red fluorescent signal.

**Immunohistochemistry**

Immunohistochemistry of ADAMTSL5 antibody. Tissue: Mouse skeletal muscle tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ADAMTSL5 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase chicken secondary antibody at 1:10,000 for 45 min at RT. Localization: ADAMTSL5 is secreted into the extracellular space. Staining: ADAMTSL5 as precipitated pink signal with blue counterstain.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.