

Product datasheet for **AM26223PU-N**

ADAMTSL1 (N-term) Mouse Monoclonal Antibody [Clone ID: IBL-5/25]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IBL-5/25
Applications:	ELISA, WB
Recommended Dilution:	Western blot (works better in non-reducing than reducing conditions although it will also recognize the reduced antigen at correspondingly higher concentrations). Immunoassay.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	Monoclonal antibody 1B2-8-2 reacts with Punctin-1 (ADAMTSL-1). It recognizes the first thrombospondin repeat near the N-terminal and reacts with molecular species of 55 kDa or a doublet of 55 kDa and 60 kDa (glycosylated form). Note that proteolysis of Punctin-1 has been described and additional smaller bands may also be obtained.
Formulation:	Protein G State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	ADAMTS like 1
Database Link:	Entrez Gene 92949 Human Q8N6G6



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Background:

Punctin-1 is a secreted molecule resembling members of the family of proteases designated ADAMTS (a disintegrin-like and metalloprotease domain with thrombospondin type I motif). ADAMTS proteases are secreted enzymes that consist of a metalloprotease domain (which provides the catalytic activity) and ancillary domains (which provide substrate, cell or extracellular matrix activity). Punctin-1 lacks the pro-metalloprotease and the disintegrin-like domain typical of this family but contains other ADAMTS domains in precise order including 4 thrombospondin-I repeats. Punctin-1 is an extracellular matrix protein in tissues and deposited into the cell substratum and localized towards the periphery of transfected cells. Punctin-1 and Punctin-2 (ADAMTSL-3) are the first members of a novel family of ADAMTS-like proteins that appear to have important functions in the extracellular matrix.

Synonyms:

ADAMTSL-1, ADAMTSR1, ADAMTS-like protein 1