

## Product datasheet for **AM26210PU-N**

### **ADAMTSL1 Mouse Monoclonal Antibody [Clone ID: 1B2-8-14]**

#### **Product data:**

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | 1B2-8-14  |
| Applications:         | ELISA, WB   |
| Recommended Dilution: | Immunoassay.<br>Western blot (works better in non-reducing than reducing conditions although it will also recognize the reduced antigen at correspondingly higher concentrations).  |
| Reactivity:           | Human   |
| Host:                 | Mouse   |
| Isotype:              | IgG2b   |
| Clonality:            | Monoclonal  |
| Specificity:          | Monoclonal antibody 1B2-8-14 reacts with Punctin-1 (ADAMTSL-1). It recognizes the spacer domain 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:          | PBS<br>State: Purified<br>State: Liquid 0.2 µm filtered Ig fraction<br>Stabilizer: 0.1% bovine serum albumin<br>Preservative: 0.02% sodium azide  |
| Concentration:        | lot specific  |
| Purification:         | Protein G   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at 2 - 8 °C.  |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | ADAMTS like 1   |
| Database Link:        | <a href="#">Entrez Gene 92949 Human Q8N6G6</a>  |

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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