



# Anti-ADAMTS8 monoclonal antibody, clone 6B4 (CABT-19292MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| <b>Antigen Description</b>   | This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene contains two C-terminal TS motifs, and disrupts angiogenesis in vivo. A number of disorders have been mapped in the vicinity of this gene, most notably lung neoplasms. Mouse monoclonal antibody raised against a partial recombinant ADAMTS8. |
| <b>Immunogen</b>             | ADAMTS8 (NP_008968, 781 a.a. ~ 891 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.   |
| <b>Isotype</b>               | IgG2a  |
| <b>Source/Host</b>           | Mouse  |
| <b>Species Reactivity</b>    | Human  |
| <b>Clone</b>                 | 6B4  |
| <b>Conjugate</b>             | Unconjugated   |
| <b>Applications</b>          | WB,sELISA,ELISA  |
| <b>Sequence Similarities</b> | RPLPEPLTVQLLTVPGEVFPKVKYTFVPNDVDFSMQSSKERATTNIIQPLLHAQWVLG<br>DWSECSSTCGAGWQRRRTVECRDPSGQASATCNKALKPEDAKPCESQLCPL*   |
| <b>Size</b>                  | 100 µg   |
| <b>Buffer</b>                | In 1x PBS, pH 7.2  |

|                     |  |
|---------------------|--|
| <b>Preservative</b> | None   |
| <b>Storage</b>      | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | <a href="#">ADAMTS8 ADAM metalloproteinase with thrombospondin type 1 motif, 8 [Homo sapiens]</a>  |
| <b>Official Symbol</b>     | ADAMTS8  |
| <b>Synonyms</b>            | ADAM metalloproteinase with thrombospondin type 1 motif, 8; METH-8; METH2; ADAM-TS 8; ADAM-TS8; A disintegrin and metalloproteinase with thrombospondin motifs 8; FLJ41712; EC 3.4.24.-; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 8; EC 3.4.24; EC 3.4.24.14; METH-2; EC 3.4.24.82; ADAMTS-8; OTTHUMP00000230650; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 8 |
| <b>Entrez Gene ID</b>      | <a href="#">11095</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_008968</a>  |
| <b>UniProt ID</b>          | <a href="#">Q5FWF1</a>   |
| <b>Chromosome Location</b> | 11q25  |
| <b>Function</b>            | heparin binding; integrin binding; low affinity phosphate transmembrane transporter activity; metal ion binding; metalloendopeptidase activity; metalloproteinase activity; peptidase activity; zinc ion binding   |