



# Mouse Anti-Human BAMBI monoclonal antibody, clone NN13 (CABT-ZB842)

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

## PRODUCT INFORMATION

|                           |                                                                                                                                                                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>        | It reacts with Human BAMBI                                                                                                                                                                                                                                                              |
| <b>Target</b>             | BAMBI                                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Recombinant Human BAMBI/NMA Protein                                                                                                                                                                                                                                                     |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                     |
| <b>Source/Host</b>        | Mouse                                                                                                                                                                                                                                                                                   |
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                                   |
| <b>Clone</b>              | NN13                                                                                                                                                                                                                                                                                    |
| <b>Purification</b>       | Protein A purified                                                                                                                                                                                                                                                                      |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                                                                                                                                                            |
| <b>Applications</b>       | ELISA(det)<br>We recommend the following for sandwich ELISA (Capture - Detection):<br>CABT-ZB448 - CABT-ZB842<br>This antibody will detect BAMBI in antibody pair set. [ABPR-ZB022]                                                                                                     |
| <b>Preparation</b>        | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human BAMBI / NMA. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| <b>Format</b>             | Purified, Liquid                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>      | Lot specific                                                                                                                                                                                                                                                                            |

|                     |                                                                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Size</b>         | 50 µL, 100 µL, 200 µL, 1 mL                                                                                                                                                                                                                        |
| <b>Buffer</b>       | PBS                                                                                                                                                                                                                                                |
| <b>Preservative</b> | None                                                                                                                                                                                                                                               |
| <b>Storage</b>      | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| <b>Ship</b>         | Wet ice                                                                                                                                                                                                                                            |

## BACKGROUND

**Introduction** BMP and activin membrane-bound inhibitor (BAMBI) is a transmembrane glycoprotein that is a pseudoreceptor of type 1 receptors. BAMBI structurally lacks intracellular serine/ threonine kinase domain but with an extracellular domain and a short cytoplasmic region that share sequence similarities with type 1 receptors, whose members have functions in signal transduction in various developing and pathological processes. BAMBI competes with the type 1 receptor, a receptor of the transforming growth factor-beta (TGF-beta), through functioning as negative regulators of TGF-beta by limiting the signaling range of the TGF-beta family during early embryogenesis. The expression of BAMBI can be induced by accumulated beta-catenin and BMP. The expression level of BAMBI was found aberrantly elevated in most colorectal and hepatocellular carcinomas relative to the corresponding non-cancerous tissues. It suggests that beta-catenin and TGF-beta interfere growth arrest by inducing the expression of BAMBI, and this may contribute to colorectal and hepatocellular tumorigenesis.

**Keywords** BAMBI; BMP and activin membrane-bound inhibitor homolog (*Xenopus laevis*); BMP and activin membrane-bound inhibitor homolog; NMA

## GENE INFORMATION

**Synonyms** BAMBI; BMP and activin membrane-bound inhibitor homolog (*Xenopus laevis*); BMP and activin membrane-bound inhibitor homolog; NMA; non-metastatic gene A protein; putative transmembrane protein NMA

**Entrez Gene ID** [25805](#)

**UniProt ID** [Q13145](#)