



# Mouse Anti-Human Procollagen Type III (PIIINP) monoclonal antibody, clone CYE113 (CABT-L4619)

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

## PRODUCT INFORMATION

|                           |                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Target</b>             | Human PIIINP                                                                                                              |
| <b>Immunogen</b>          | Human PIIINP antigen                                                                                                      |
| <b>Isotype</b>            | IgG                                                                                                                       |
| <b>Source/Host</b>        | Mouse                                                                                                                     |
| <b>Species Reactivity</b> | Human                                                                                                                     |
| <b>Clone</b>              | CYE113                                                                                                                    |
| <b>Purification</b>       | Protein A purified. Purity>90% by SDS-PAGE                                                                                |
| <b>Conjugate</b>          | Unconjugated                                                                                                              |
| <b>Applications</b>       | ELISA(Cap), CLIA (Cap)<br>We recommend the following for sandwich ELISA (Capture - Detection):<br>CABT-L4619 - CABT-L4620 |
| <b>Format</b>             | Purified, Liquid                                                                                                          |
| <b>Concentration</b>      | Lot specific                                                                                                              |
| <b>Size</b>               | 1 mg                                                                                                                      |
| <b>Buffer</b>             | In 1x PBS, pH 7.4                                                                                                         |
| <b>Preservative</b>       | None                                                                                                                      |

|                |                                                        |
|----------------|--------------------------------------------------------|
| <b>Storage</b> | Long Term: -20°C. Avoid repeated freezing and thawing. |
|----------------|--------------------------------------------------------|

|             |         |
|-------------|---------|
| <b>Ship</b> | Wet ice |
|-------------|---------|

## BACKGROUND

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Introduction</b> | This gene encodes the pro- $\alpha 1$ chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with EhlersDanlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. During collagen synthesis in soft lean tissue, N-terminal propeptide of type III procollagen (P3NP) is released into circulation |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------|
| <b>Keywords</b> | PIIINP; P3NP; P III NP; N-Propeptide Of Type III Procollagen; Procollagen III Amino Terminal Propeptide; |
|-----------------|----------------------------------------------------------------------------------------------------------|