



# Anti-ENG monoclonal antibody, clone SN6 [R-PE] (CABT-46941MH)

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

## PRODUCT INFORMATION

|                           |                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Mouse anti Human CD105 antibody, clone SN6 recognizes the human CD105 cell surface antigen, a glycoprotein homodimer of 95kDa subunits. CD105 is also known as endoglin, and is expressed by endothelial cells, activated monocytes and some leukaemia cells. Flow Cytometry Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul. |
| <b>Specificity</b>        | ENG                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>          | Partially purified cell membrane antigens from fresh leukaemia cells.                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>            | IgG1                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source/Host</b>        | Mouse                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species Reactivity</b> | Human, Cynomolgus monkey, Horse, Monkey, Primates, Rhesus monkey                                                                                                                                                                                                                                                                                                 |
| <b>Clone</b>              | SN6                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugate</b>          | PE                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>       | FC                                                                                                                                                                                                                                                                                                                                                               |
| <b>Format</b>             | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised                                                                                                                                                                                                                                                                                                  |
| <b>Size</b>               | 100 tests                                                                                                                                                                                                                                                                                                                                                        |
| <b>Preservative</b>       | 0.09% Sodium Azide                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>            | Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.                                                                 |

# GENE INFORMATION

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | <a href="#">ENG endoglin [ Homo sapiens (human) ]</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Official Symbol     | ENG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms            | ENG; endoglin; END; HHT1; ORW1; CD105 antigen;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Entrez Gene ID      | <a href="#">2022</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Refseq      | <a href="#">NP_000109</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt ID          | P17813                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Chromosome Location | 9q34.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Pathway             | HIF-1-alpha transcription factor network; TGF Beta Signaling Pathway; TGF-beta Receptor Signaling Pathway;                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function            | contributes_to BMP binding; activin binding; galactose binding; glycosaminoglycan binding; protein binding; protein homodimerization activity; transforming growth factor beta binding; contributes_to transforming growth factor beta binding; transforming growth factor beta receptor, cytoplasmic mediator activity; transforming growth factor beta-activated receptor activity; transmembrane signaling receptor activity; type I transforming growth factor beta receptor binding; type II transforming growth factor beta receptor binding; |