

## Vegfc

### Rabbit Anti-rat VEGFC pAb

|                                 |   |                  |                  |
|---------------------------------|---|------------------|------------------|
| <b>Catalog No.</b>              | CPV005A<br>CPV005B  | <b>Quantity:</b> | 100 µg<br>200 µg |
| <b>Alternate Names:</b>         | Vascular Endothelial Growth Factor C, Flt4 ligand, FLT4-L, VEGF-2, VRP  |                  |                  |
| <b>Description:</b>             | <p>Rabbit anti-rat VEGFC polyclonal antibody.</p> <p>VEGF-C, a member of the VEGF/PDGF family of structurally related proteins, is a potent angiogenic cytokine. It promotes endothelial cell growth, promotes lymphangiogenesis, and can also affect vascular permeability. VEGF-C is expressed in various tissues, but is not produced in peripheral blood lymphocytes. It forms cell surfaced-associated non-covalent disulfide linked homodimers, and can bind and activate both VEGFR-2 (flk1) and VEGFR-3 (flt4) receptors. During embryogenesis, VEGF-C may play a role in the formation of the venous and lymphatic vascular systems. Both VEGF-C and VEGF-D are over-expressed in certain cancers, and the resulting elevated levels of VEGF-C or VEGF-D tend to correlate with increased lymphatic metastasis. Recombinant, fully processed rat VEGF-C is a 16-18 kDa non-disulfide linked homodimeric protein consisting of two 116 amino acid polypeptide chains. Due to glycosylation the protein migrates as a 20.0-22.0 kDa band under non-reducing condition.</p> |                  |                  |
| <b>Gene ID:</b>                 | 114111  |                  |                  |
| <b>Specificity:</b>             | Rat VEGFC   |                  |                  |
| <b>Host:</b>                    | Rabbit  |                  |                  |
| <b>Immunogen:</b>               | Highly purified recombinant rat dNdC VEGFC  |                  |                  |
| <b>Isotype:</b>                 | IgG   |                  |                  |
| <b>Formulation:</b>             | Lyophilized from PBS, pH 7.4  |                  |                  |
| <b>Purification:</b>            | Protein A chromatography  |                  |                  |
| <b>Reconstitution:</b>          | <b>Centrifuge vial prior to opening.</b> Add sterile distilled water to the vial to fully solubilize the antibody to a concentration of 0.1-1.0 mg/ml.  |                  |                  |
| <b>Applications:</b>            | Western blot. The optimal concentration should be determined by the user for each specific application.   |                  |                  |
| <b>Storage &amp; Stability:</b> | Lyophilized antibody is stable for 1 month at 2-4°C and for 1 year at -20°C to -80°C. Reconstituted antibody is stable for six weeks at 2-4°C. <b>Avoid repeated freeze-thaw cycles.</b>  |                  |                  |

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