

Product datasheet for **AM33410BT-N**

VEGFC Mouse Monoclonal Antibody [Clone ID: 107/A11]

Product data:

| | |
|------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | 107/A11 |
| Applications: | ELISA |
| Recommended Dilution: | ELISA: 1-5 µg/ml. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant Human VEGF-C (Cat.-No AR01001PU-N) |
| Specificity: | This antibody recognizes Human VEGF-C. Other species not tested. |
| Formulation: | PBS Label: Biotin State: Purified State: Lyophilized purified IgG fraction Stabilizer: 0.02% Sodium Azide Preservative: 50x BSA |
| Reconstitution Method: | Restore in sterile water to a concentration of 0.1-1.0 mg/ml. |
| Purification: | Protein G Chromatography |
| Conjugation: | Biotin |
| Storage: | Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | vascular endothelial growth factor C |
| Database Link: | Entrez Gene 7424 Human P49767 |



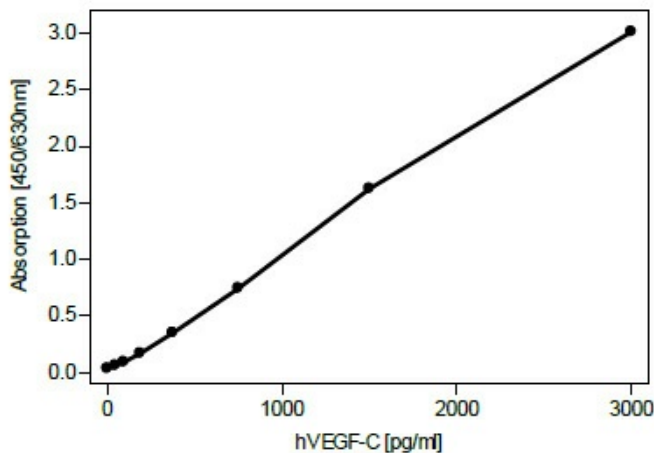
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Background:

VEGF-C, also known as Vascular Endothelial Growth Factor Related Protein (VRP), is a recently discovered VEGF growth factor family member that is most closely related to VEGF-D. The human VEGF-C cDNA encodes a pre-pro-protein of 416 amino acids residues. It is almost identical to the mouse VEGF-C protein. Similar to VEGF-D, VEGF-C has a VEGF homology domain spanning the middle third of the precursor molecule and long N- and C-terminal extensions. In adults, VEGF-C is highly expressed in heart, placenta, ovary and small intestine. Recombinant human VEGF-C, lacking the N- and C-terminal extensions and containing only the middle VEGF homology domain, forms primarily non-covalently linked dimers. This protein is a ligand for both VEGFR-2/KDR and VEGFR-3/FLT-4. Since VEGFR-3 is strongly expressed in lymphatic endothelial cells, it has been postulated that VEGF-C is involved in the regulation of the growth and/or differentiation of lymphatic endothelium. Although recombinant human VEGF-C is also a mitogen for vascular endothelial cells, it is much less potent than VEGF-A. The recombinant human VEGF-C contains 115 amino acids residues and was fused to a His-tag (6x His) at the C-terminal end. As a result of glycosylation VEGF-C migrates as an 18-24 kDa protein in SDS-PAGE under reducing conditions.

Synonyms:

VEGFC, VRP, Vascular endothelial growth factor C, Vascular endothelial growth factor-related protein, Flt4 ligand

Product images:

VEGF-C Sandwich-ELISA using recombinant Human VEGF-C as standard. Mouse antihuman VEGF-C Antibody [AM33409PU-N] (Clone 9/G10) was used as capture antibody, Biotinylated Mouse anti-Human VEGF-C Antibody (Clone 107/A11) was used for detection.