

## Product datasheet for **DP3507S**

### Vegfc Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	<b>ELISA:</b> 2.5 µg/ml, allows the detection of 0.5-1.0 ng/well of recombinant rat VEGF-C. <b>Western Blot:</b> 2-5 µg/ml. <b>Immunoprecipitation:</b> 1-10 µg / ml lysate or reaction volume.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Rat VEGF-C native protein.(Asp101-Ile221) derived from insect cells (Cat.- No DA3519X)
Specificity:	The antibody will react with Rat VEGF-C and will cross-react with Human and Mouse VEGF-C proteins.
Formulation:	PBS, pH 7.4, containing no preservative. State: Azide Free State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of > 0.5 mg/ml.
Purification:	Protein A affinity chromatography.
Conjugation:	Unconjugated
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:	<a href="#">Entrez Gene 114111 Rat O35757</a>



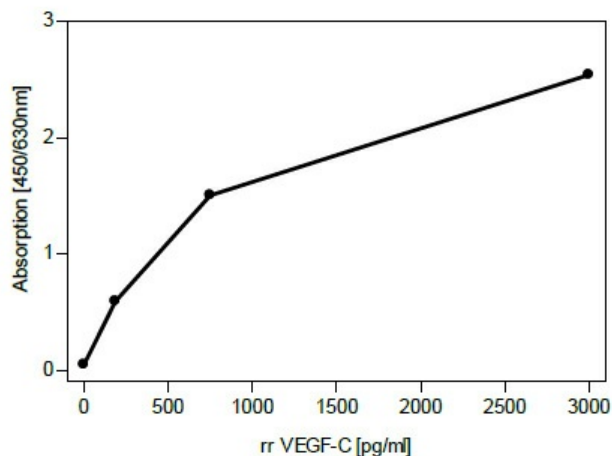
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**Background:**

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.

**Synonyms:**

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

**Product images:**

VEGF-C Sandwich-ELISA using the polyclonal anti-rat VEGF-C antibody ( [DP3507]) as capture antibody and recombinant Rat VEGF-C ( [DA3519X]) as standard. The Biotinylated rabbit anti-rat VEGF-C (No [DP3507B]) was used as detection antibody.